

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037143.D
 Acq On : 8 Jun 2021 22:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 6/9/2021 4:24:05 PM

Quant Time: Jun 09 03:30:37 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	1338334	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4040990	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3724738m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2986373	10.67	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2320446	10.220	ppbv	100
3) Chlorodifluoromethane	2.98	51	2719518	11.092	ppbv	97
4) Chloromethane	3.13	50	948230	11.365	ppbv	100
5) Vinyl Chloride	3.25	62	1019900	11.183	ppbv	97
6) Bromomethane	3.47	94	590176	12.281	ppbv	98
7) Chloroethane	3.55	64	357208	12.063	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2551299	11.968	ppbv	97
9) Propene	3.01	41	864030	9.841	ppbv	98
10) Heptane	8.12	43	2231881	10.200	ppbv	99
11) Trichlorofluoromethane	3.94	101	2635857	12.543	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1825544	12.195	ppbv	96
13) Ethanol	3.61	45	98612	8.418	ppbv	92
14) Bromoethene	3.74	108	799242	12.122	ppbv	99
15) Acetone	3.85	43	1352990	9.870	ppbv	97
16) 1,3-Butadiene	3.32	39	975971	11.460	ppbv	99
17) tert-Butyl alcohol	4.29	59	1447285	11.526	ppbv	98
18) 1,1-Dichloroethene	4.29	96	810258	11.706	ppbv	96
19) Isopropyl Alcohol	3.96	45	880877	11.954	ppbv #	35
20) Methylene Chloride	4.34	84	673053	9.160	ppbv	98
21) Allyl Chloride	4.41	41	1169466	11.309	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	835165	12.590	ppbv	97
23) Vinyl Acetate	5.07	43	2511133	11.541	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1815446	11.592	ppbv	99
25) Ethyl Acetate	5.67	43	3519916	10.686	ppbv	100
26) Hexane	5.68	57	1679631	9.981	ppbv	97
27) Carbon Disulfide	4.55	76	1886048	11.121	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2151358	10.666	ppbv	99
29) Chloroform	5.75	83	2761830	11.617	ppbv	99
30) Cyclohexane	7.13	84	1509137	10.553	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1711205	11.342	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2871723	11.249	ppbv	99
34) 2-Butanone	5.24	43	1674178	11.378	ppbv	99
35) Carbon Tetrachloride	7.01	117	3058074	11.390	ppbv	98
36) Benzene	6.89	78	3544655	10.184	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2102554	12.184	ppbv	98
38) Trichloroethene	7.83	130	1524615	10.239	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1349270	10.063	ppbv	97
40) 1,4-Dioxane	7.83	88	339751	10.731	ppbv #	100
41) Tetrahydrofuran	6.05	42	818911	9.772	ppbv	97
42) Bromodichloromethane	7.79	83	2920169	11.185	ppbv	98
43) Methyl Methacrylate	8.01	69	1280586	10.674	ppbv	97

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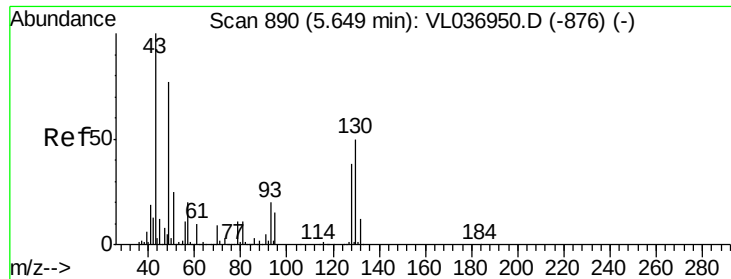
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5792850	9.701	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1279591	13.961	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1597933	12.962	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1526068	10.874	ppbv	98
48) Dibromochloromethane	10.30	129	2724147	11.988	ppbv	99
49) Bromoform	13.04	173	2256606	12.025	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2535273	10.442	ppbv	99
51) 2-Hexanone	10.14	43	1326283	10.332	ppbv #	97
52) Tetrachloroethene	11.22	164	1488777	10.756	ppbv	98
53) Toluene	9.81	91	4261006	10.288	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2299712	11.526	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1847469	11.788	ppbv #	56
57) Chlorobenzene	12.15	112	3289445	11.390	ppbv	99
58) Ethyl Benzene	12.71	91	5720978	10.882	ppbv	99
59) m/p-Xylene	12.99	91	9660771m	22.232	ppbv	
60) o-Xylene	13.69	91	4636224	11.187	ppbv	98
61) Styrene	13.53	104	2692004	11.530	ppbv	98
62) Isopropylbenzene	14.66	105	6404392	10.752	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3101140	10.019	ppbv	99
64) n-propylbenzene	15.56	120	1748525	11.378	ppbv	99
65) tert-Butylbenzene	16.74	119	5834498	10.856	ppbv	99
66) Benzyl Chloride	16.99	91	300546	10.078	ppbv	95
67) sec-Butylbenzene	17.29	105	7780036	10.611	ppbv	99
69) p-Isopropyltoluene	17.65	119	6780952	10.757	ppbv	99
70) n-Butylbenzene	18.55	91	6367695	10.633	ppbv	99
71) 2-Chlorotoluene	15.45	91	4734876	11.006	ppbv	99
72) 4-Ethyltoluene	15.84	105	5551721	11.287	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5087404	11.014	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	5308800	11.115	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	3300195	11.316	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3191368	10.823	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3133072	10.721	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2039492	8.679	ppbv	100
79) Naphthalene	22.19	128	3942171	10.520	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	936244	11.489	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2288694	10.019	ppbv	98

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



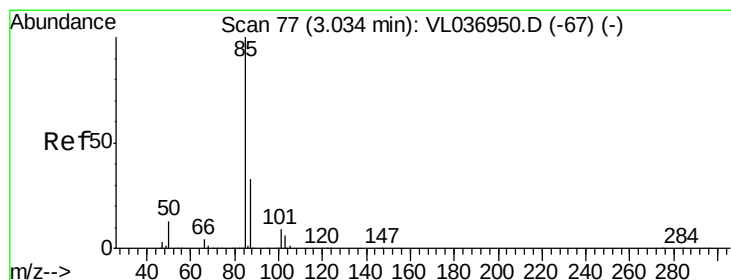
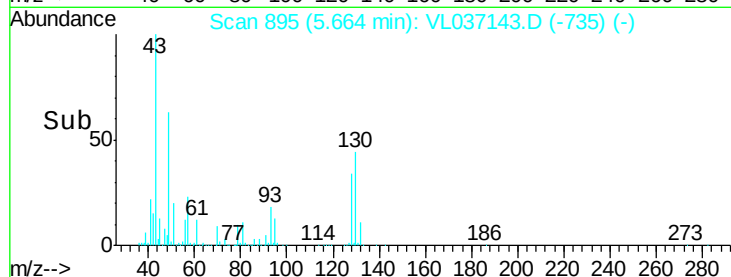
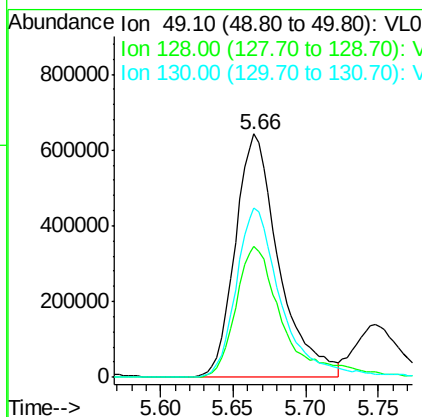
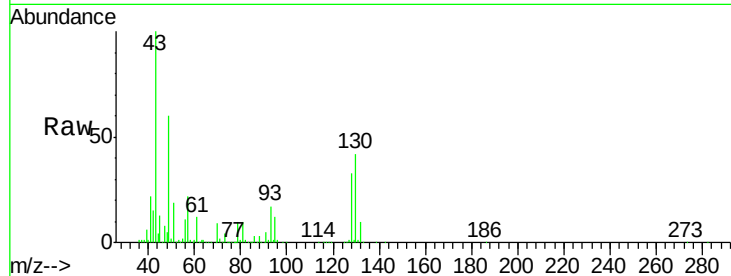
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1338334
Ion Ratio Lower Upper
49 100
128 59.5 26.9 80.7
130 72.3 33.8 101.4

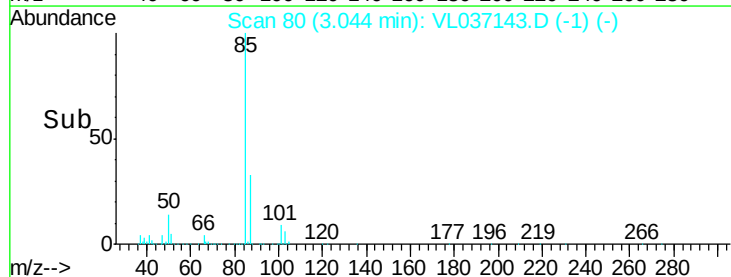
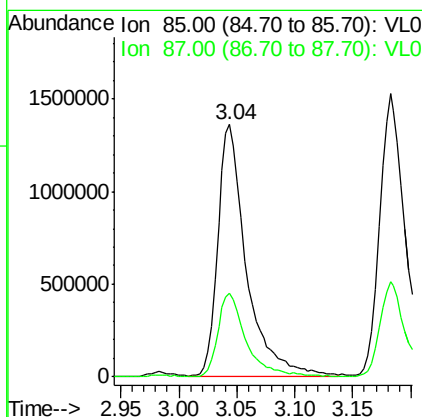
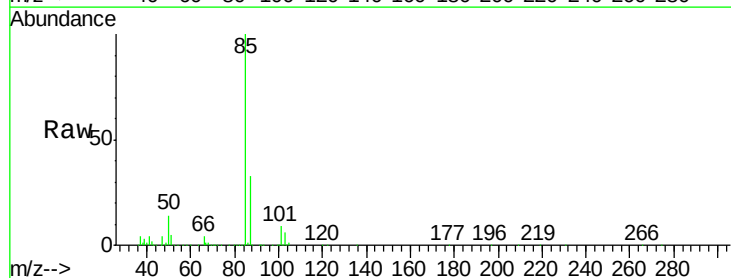
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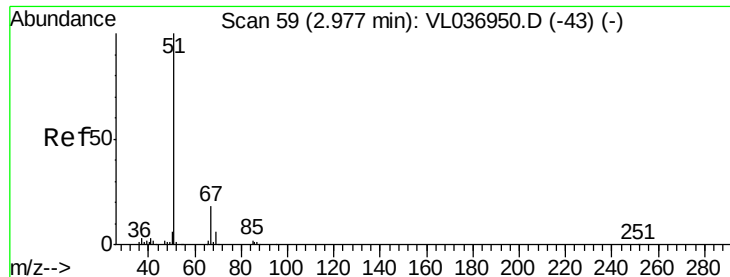
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#2
Dichlorodifluoromethane
Concen: 10.220 ppbv
RT: 3.04 min Scan# 80
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 85 Resp: 2320446
Ion Ratio Lower Upper
85 100
87 33.1 26.6 39.8





#3

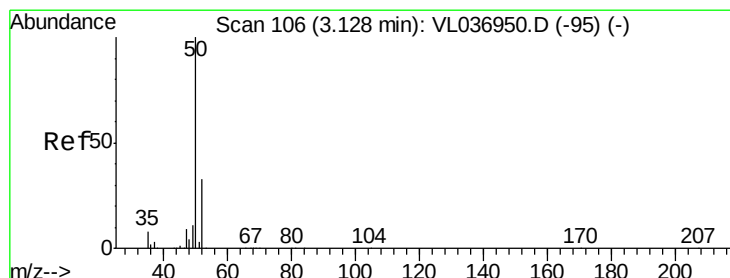
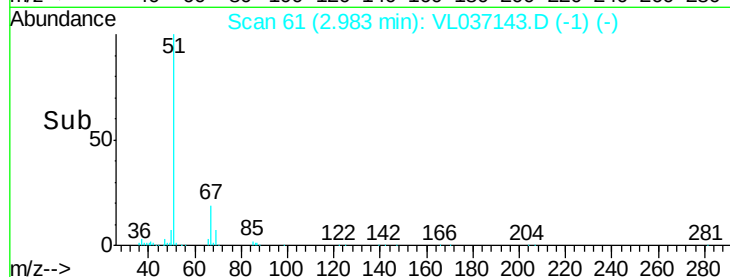
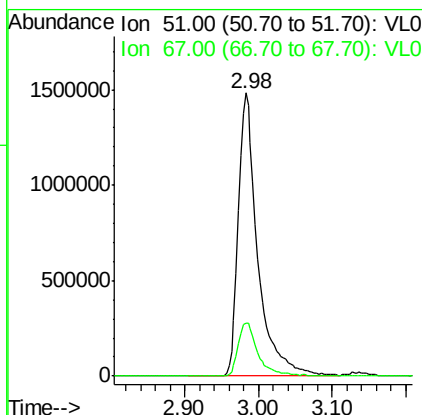
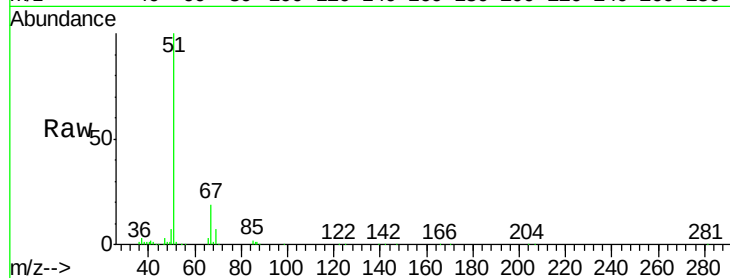
Chlorodifluoromethane
 Concen: 11.092 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 51 Resp: 2719518
 Ion Ratio Lower Upper
 51 100
 67 19.7 14.6 21.8

Manual Integrations
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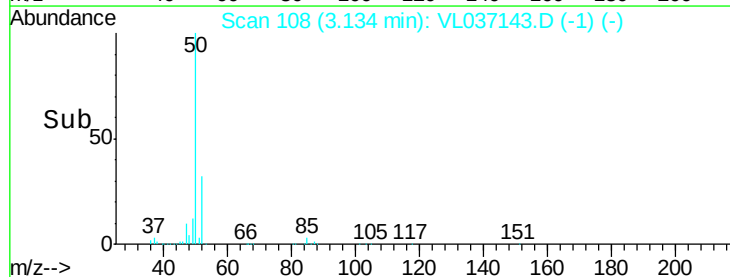
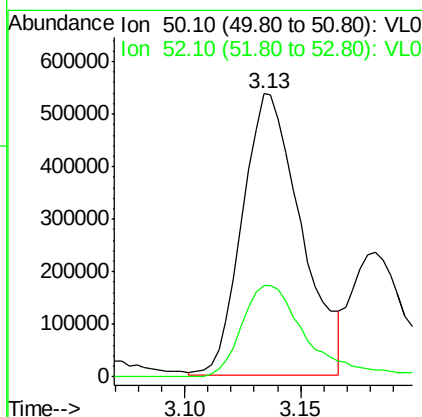
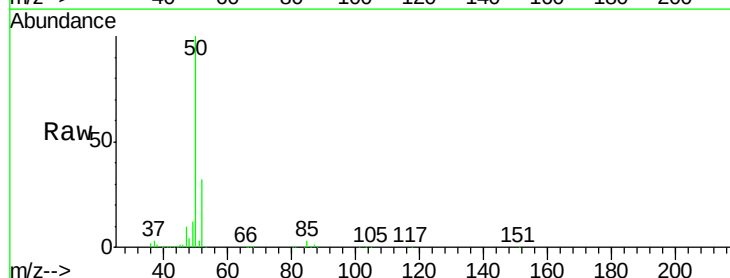
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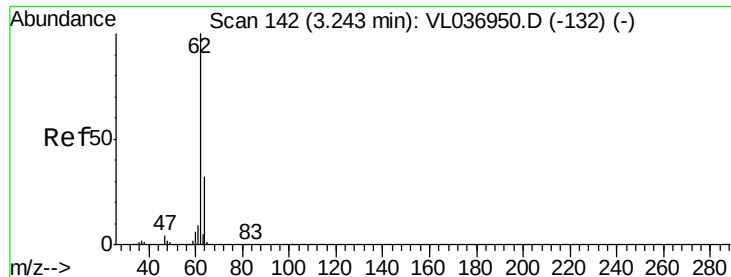


#4

Chloromethane
 Concen: 11.365 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 50 Resp: 948230
 Ion Ratio Lower Upper
 50 100
 52 32.8 26.1 39.1





#5

Vinyl Chloride

Concen: 11.183 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1019900

Ion Ratio Lower Upper

62 100

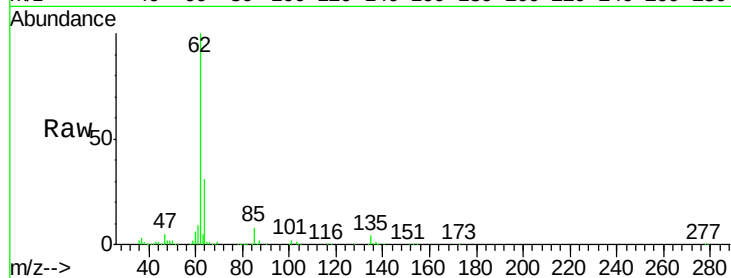
64 30.9 25.9 38.9

Manual Integrations

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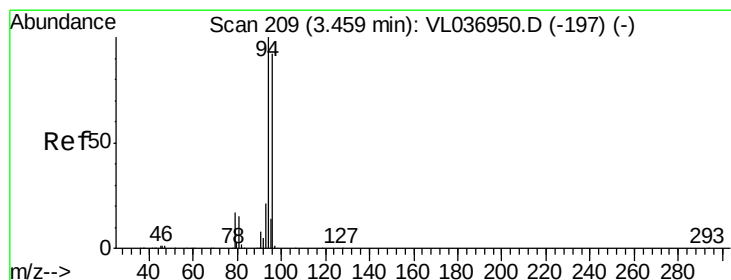
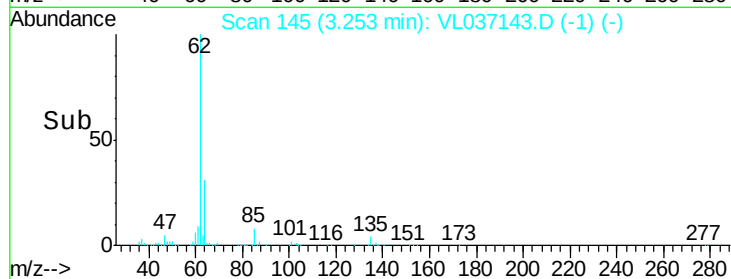
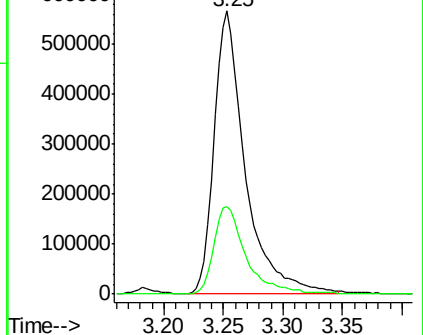
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 12.281 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL037143.D

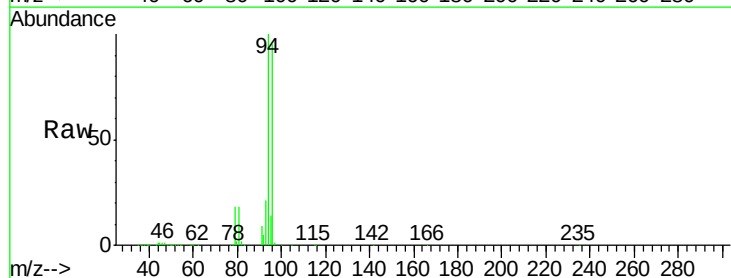
Acq: 8 Jun 2021 22:15

Tgt Ion: 94 Resp: 590176

Ion Ratio Lower Upper

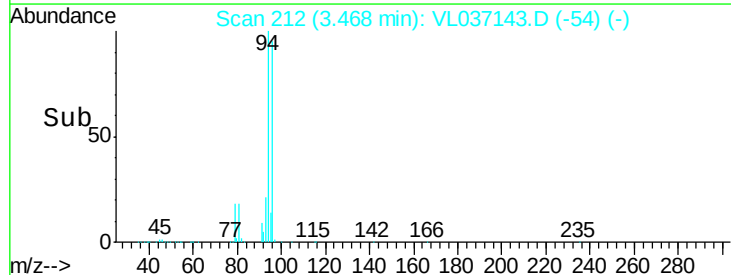
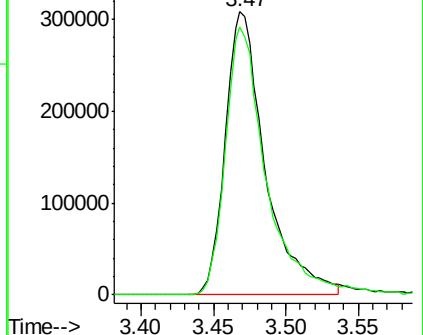
94 100

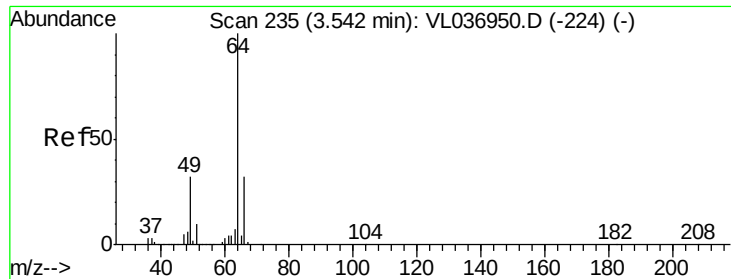
96 94.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 12.063 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 357208

Ion Ratio Lower Upper

64 100

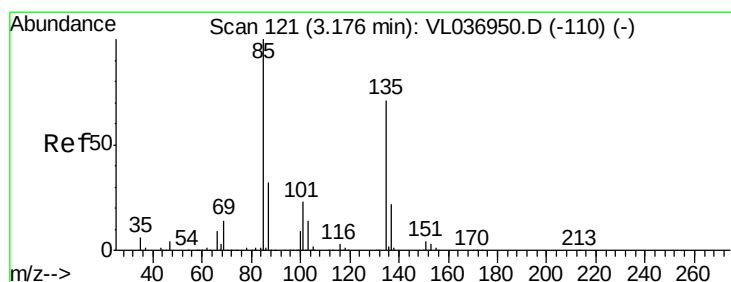
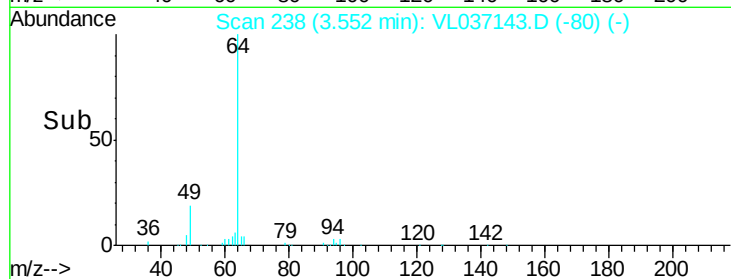
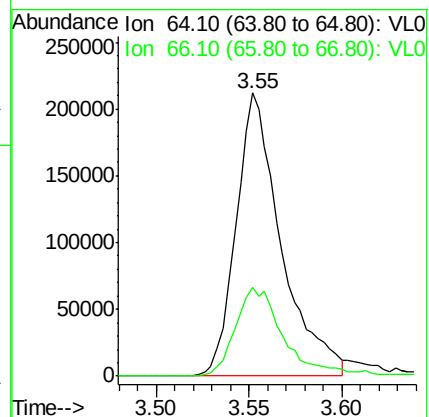
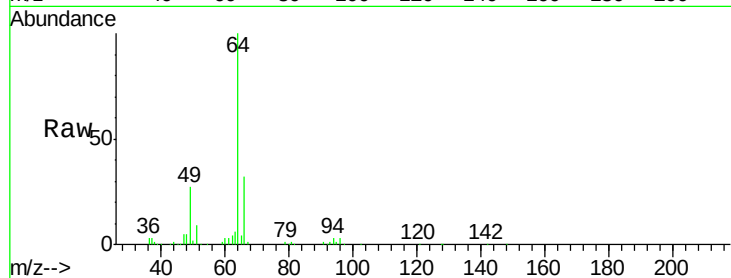
66 31.5 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 11.968 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL037143.D

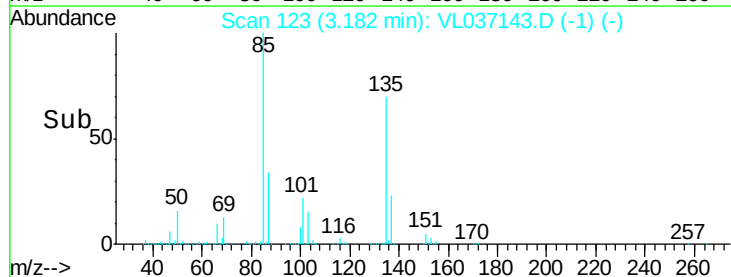
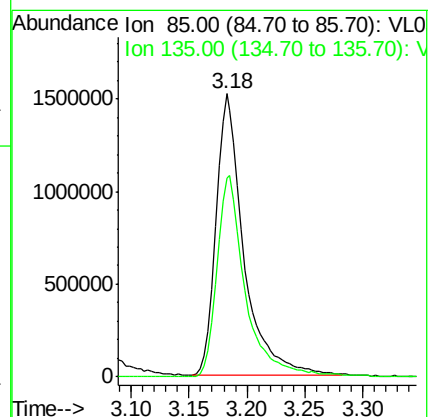
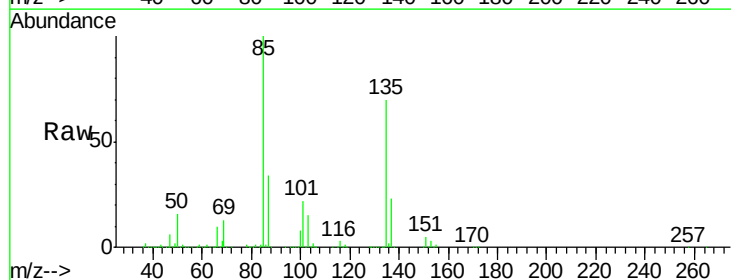
Acq: 8 Jun 2021 22:15

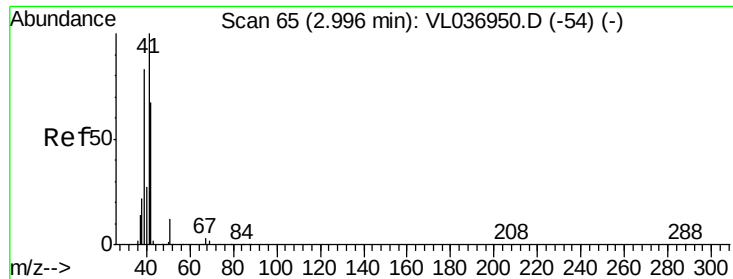
Tgt Ion: 85 Resp: 2551299

Ion Ratio Lower Upper

85 100

135 74.4 57.7 86.5





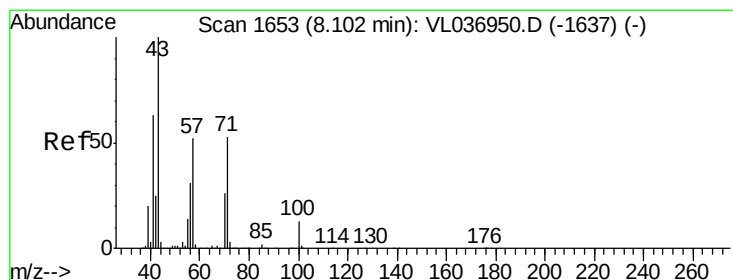
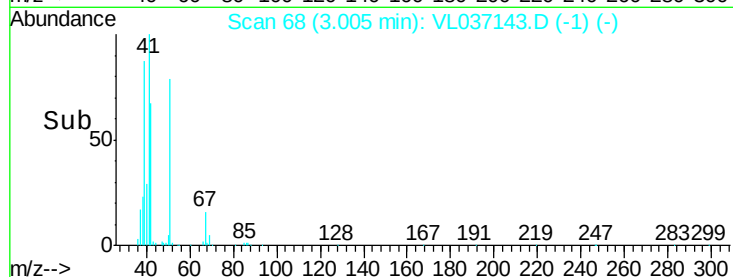
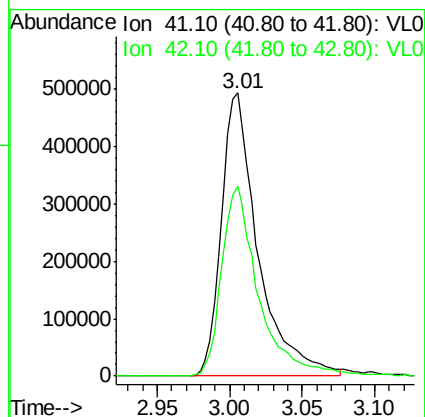
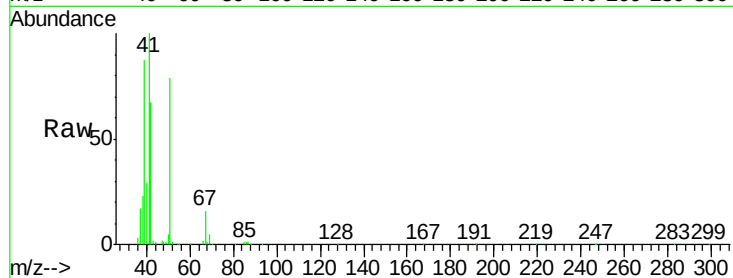
#9
 Propene
 Concen: 9.841 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	41	Resp	864030
Ion Ratio	41	100	
Lower	42	68.7	53.9
Upper			80.9

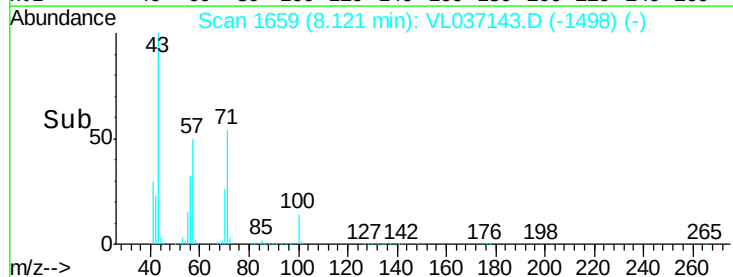
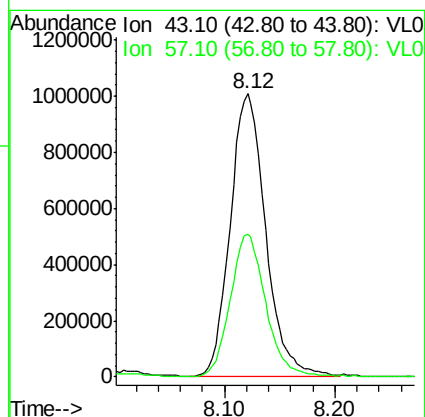
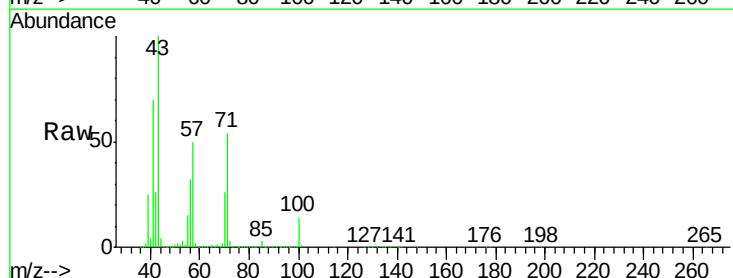
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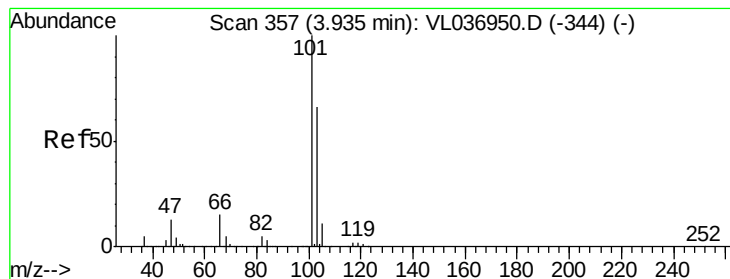
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#10
 Heptane
 Concen: 10.200 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion	43	Resp	2231881
Ion Ratio	43	100	
Lower	57	50.6	41.0
Upper			61.6





#11

Trichlorofluoromethane

Concen: 12.543 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2635857

Ion Ratio Lower Upper

101 100

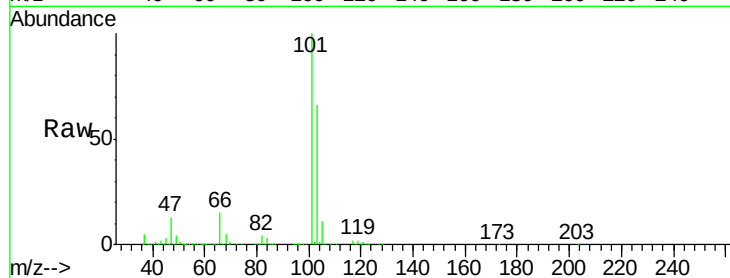
103 65.6 52.6 79.0

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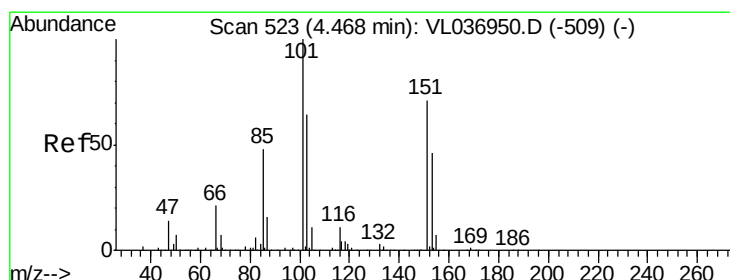
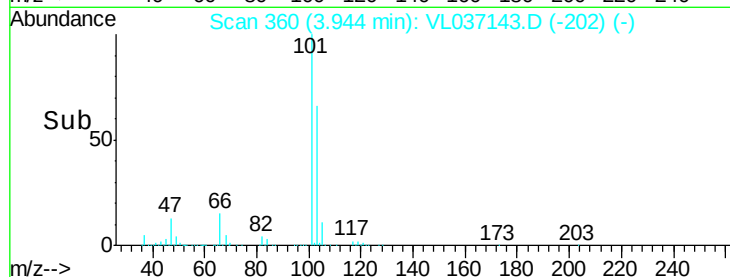
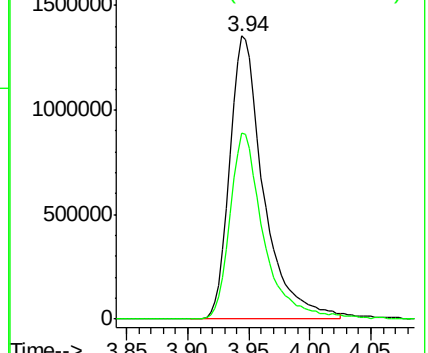
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.195 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL037143.D

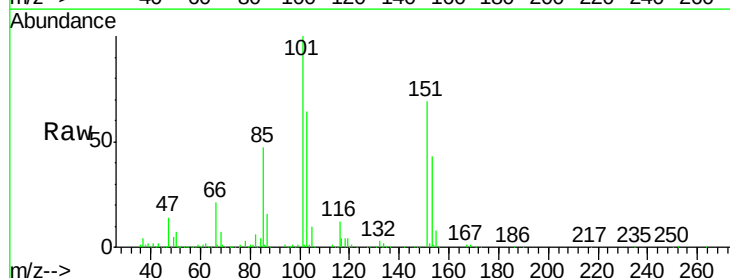
Acq: 8 Jun 2021 22:15

Tgt Ion:101 Resp: 1825544

Ion Ratio Lower Upper

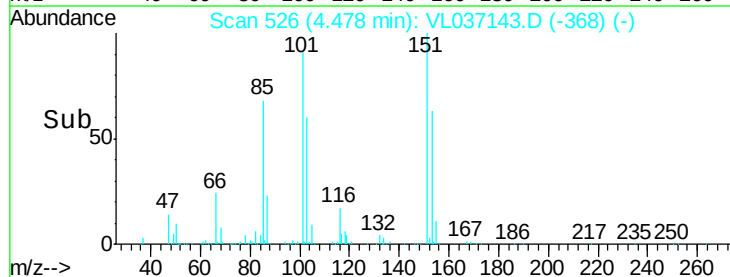
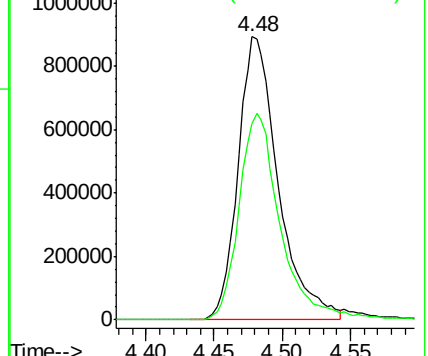
101 100

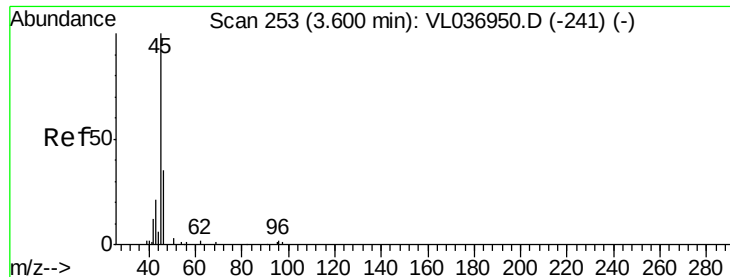
151 75.6 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





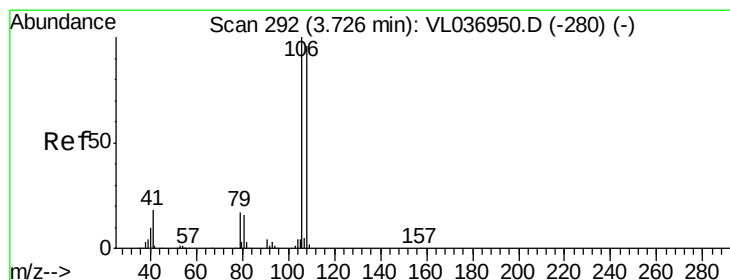
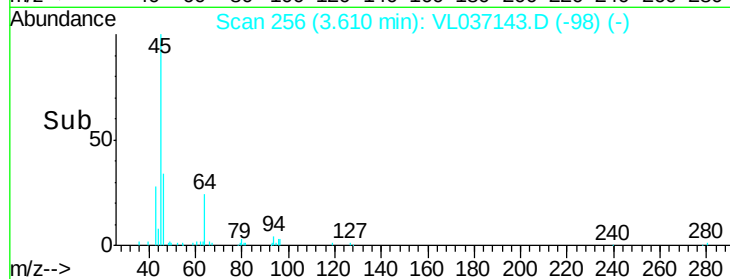
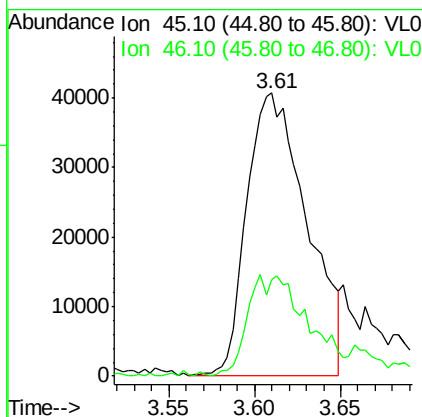
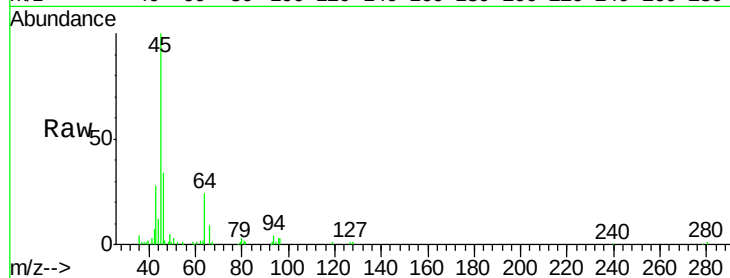
#13
Ethanol
Concen: 8.418 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	98612
Ion Ratio	100	Lower	Upper
46	45.9	16.3	65.3

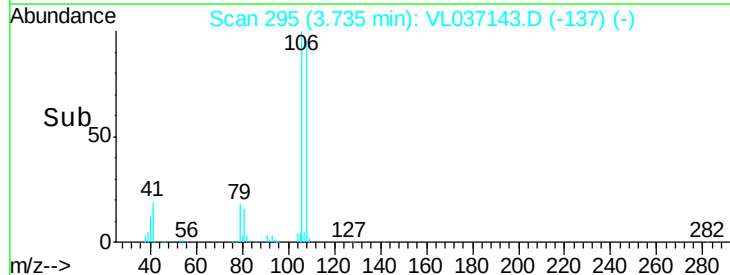
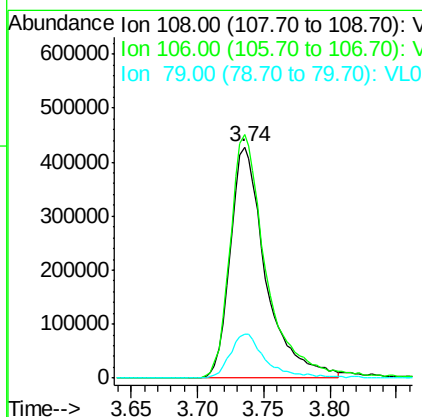
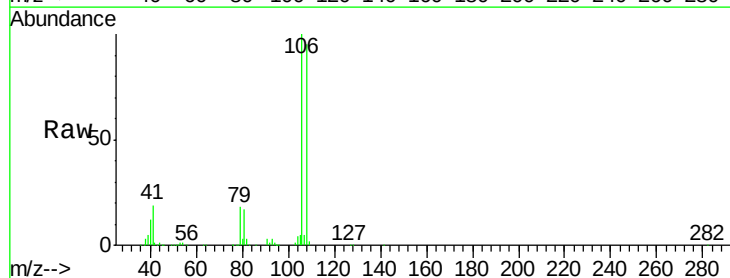
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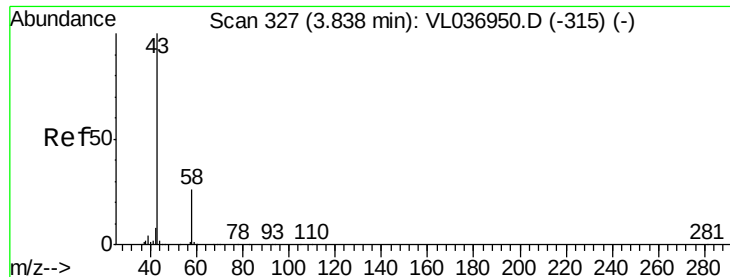
MMDadoda
6/9/2021 4:24:05 PM



#14
Bromoethene
Concen: 12.122 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion	108	Resp	799242
Ion Ratio	100	Lower	Upper
106	108.8	86.5	129.7
79	19.4	15.0	22.4





#15

Acetone

Concen: 9.870 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1352990

Ion Ratio Lower Upper

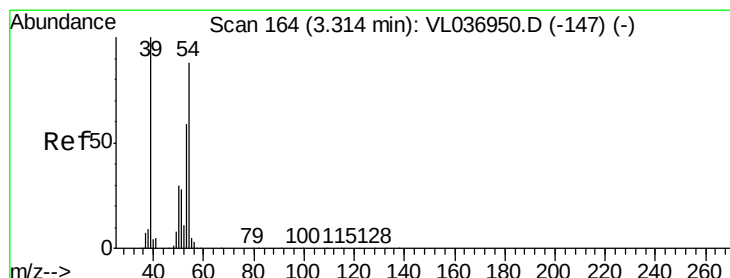
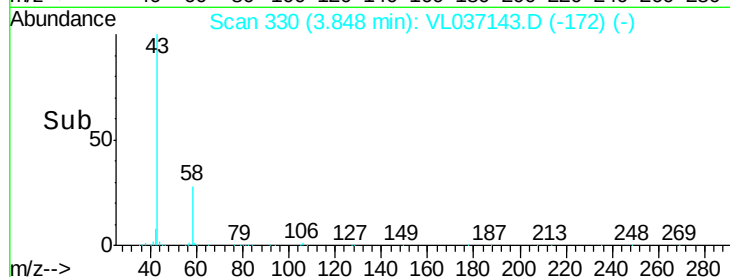
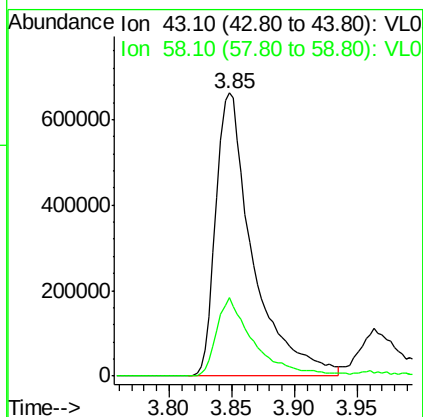
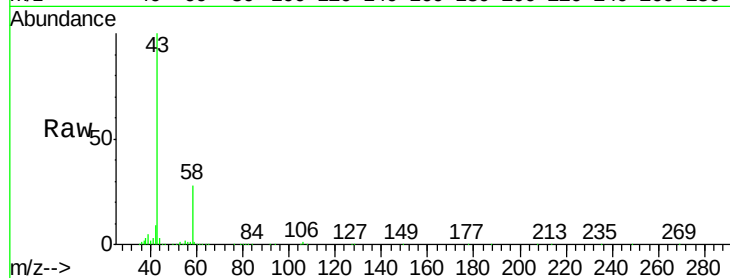
43 100

58 28.1 24.0 36.0

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#16

1,3-Butadiene

Concen: 11.460 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.01 min

Lab File: VL037143.D

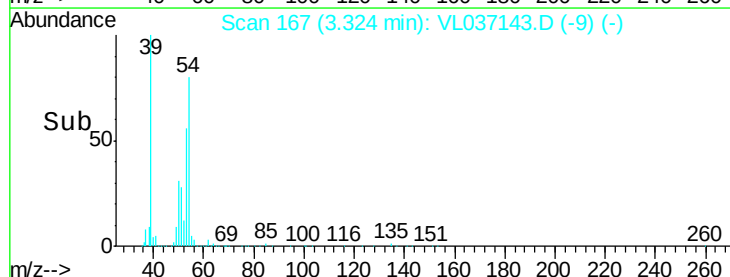
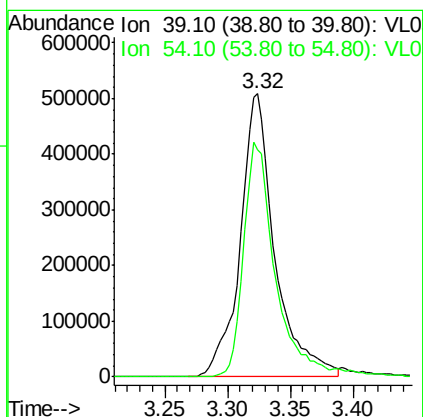
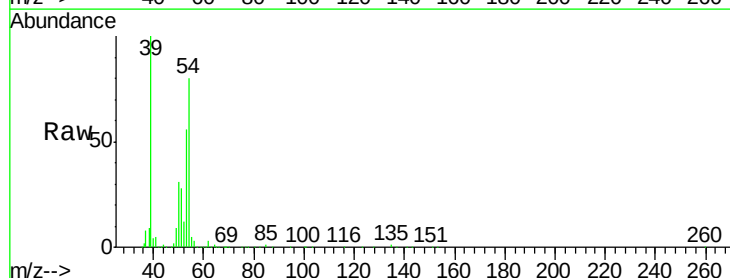
Acq: 8 Jun 2021 22:15

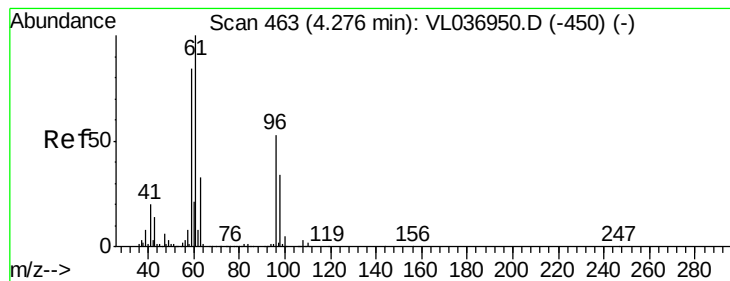
Tgt Ion: 39 Resp: 975971

Ion Ratio Lower Upper

39 100

54 77.8 63.2 94.8





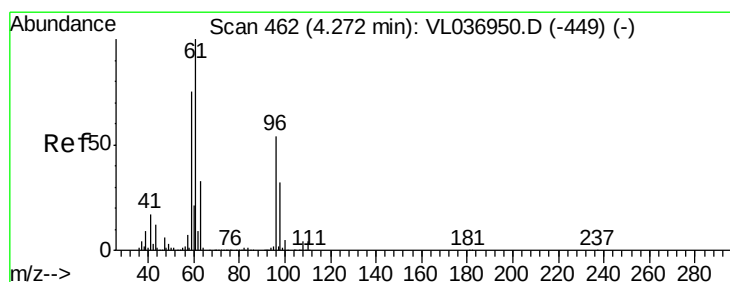
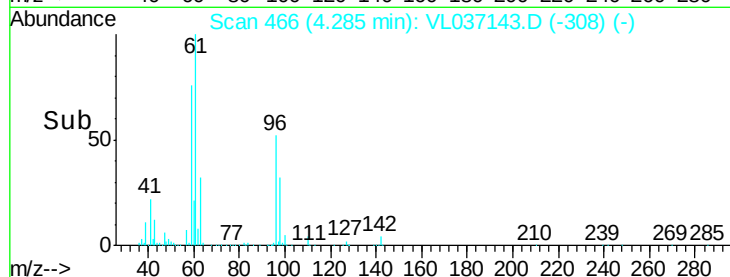
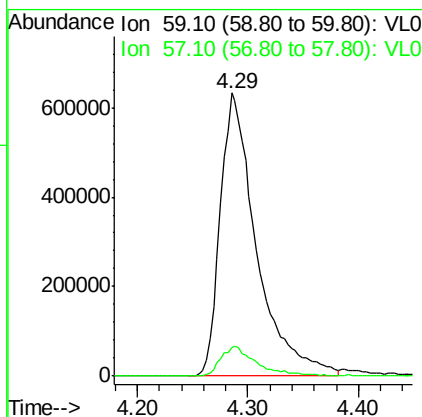
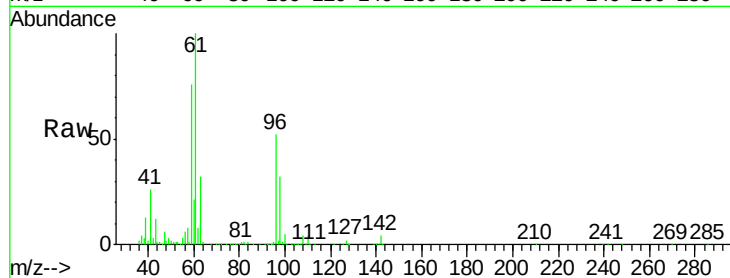
#17
tert-Butyl alcohol
Concen: 11.526 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1447285
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

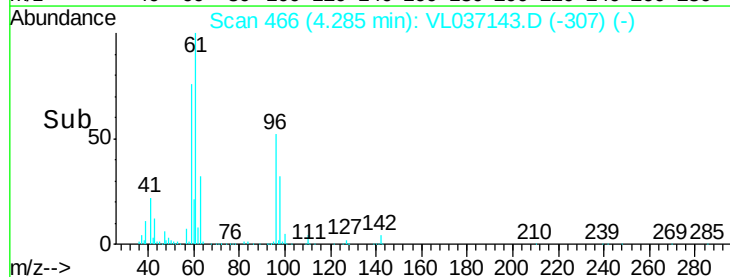
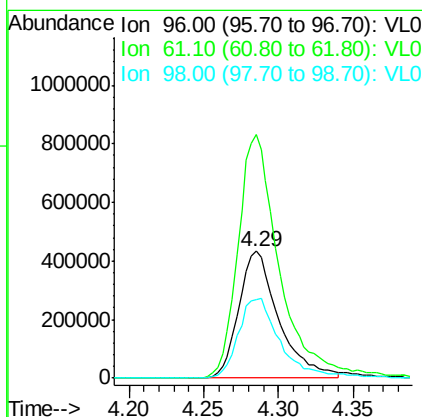
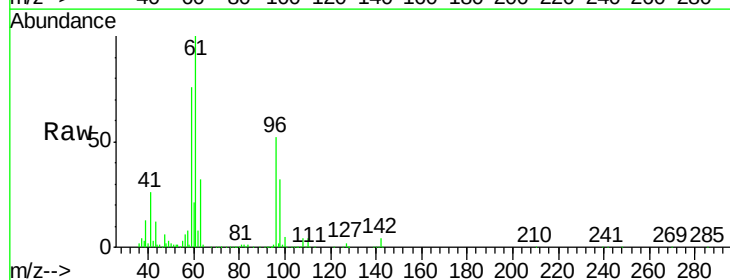
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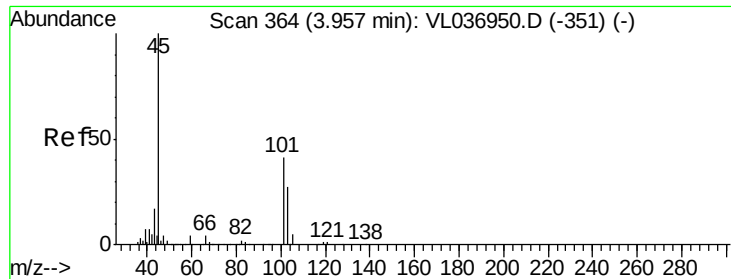
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#18
1,1-Dichloroethene
Concen: 11.706 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 96 Resp: 810258
Ion Ratio Lower Upper
96 100
61 192.0 148.2 222.4
98 62.3 47.8 71.6





#19

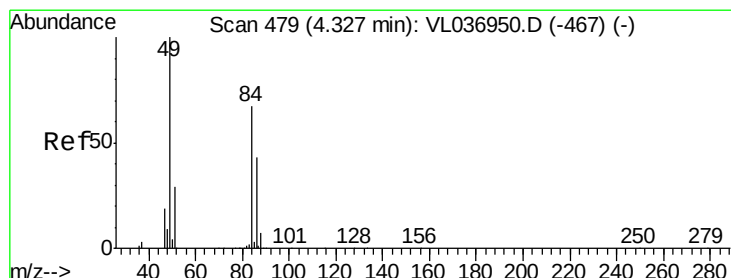
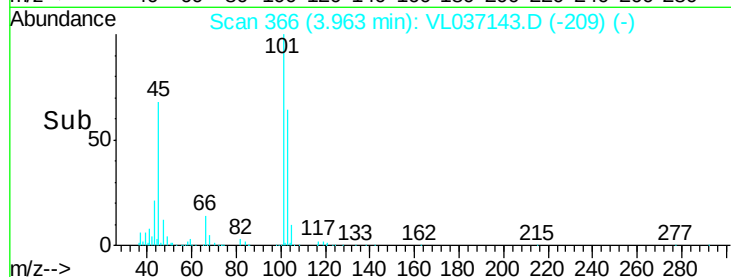
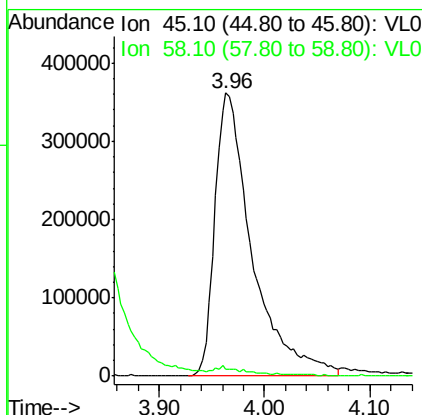
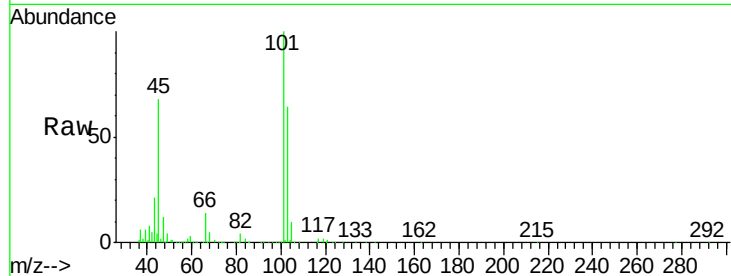
Isopropyl Alcohol
 Concen: 11.954 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 880877
 Ion Ratio Lower Upper
 45 100
 58 3.2 37.2 55.8#

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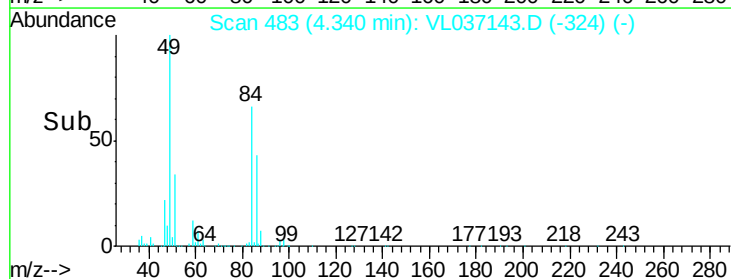
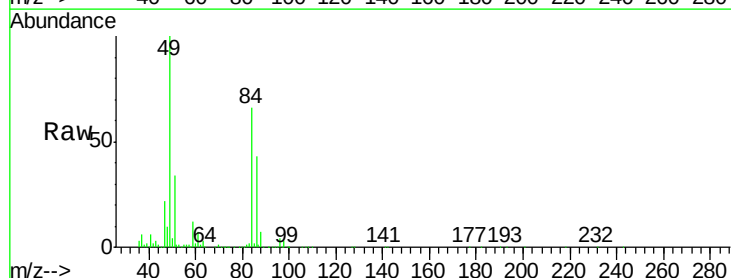
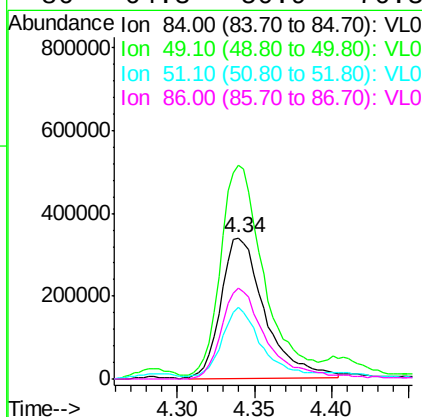
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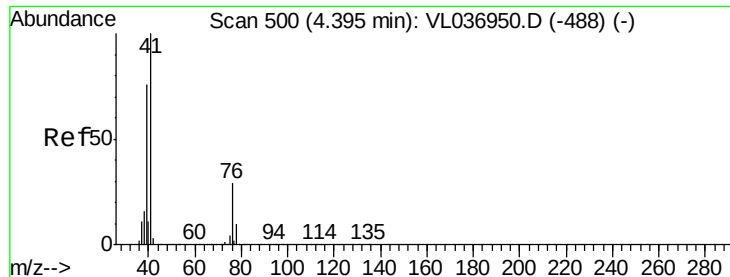


#20

Methylene Chloride
 Concen: 9.160 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 84 Resp: 673053
 Ion Ratio Lower Upper
 84 100
 49 149.0 119.8 179.6
 51 49.2 35.1 52.7
 86 64.3 50.9 76.3





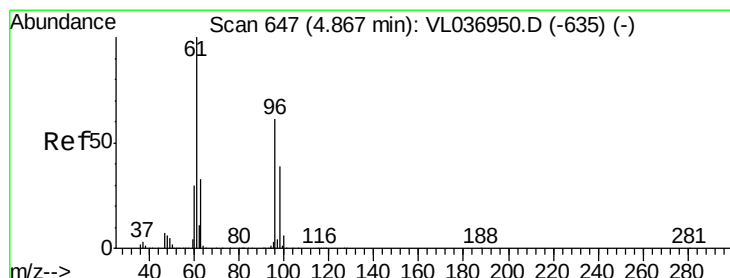
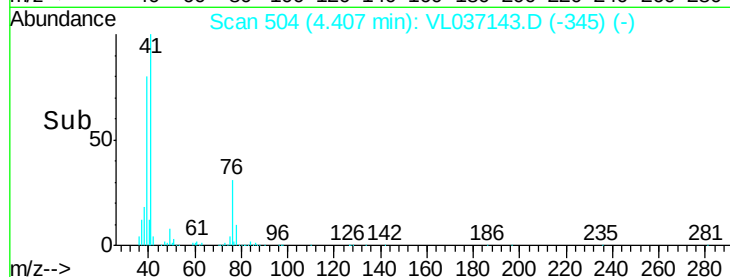
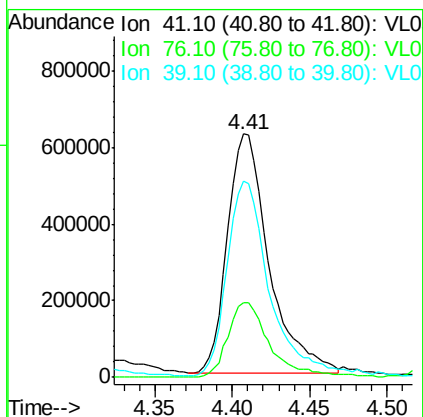
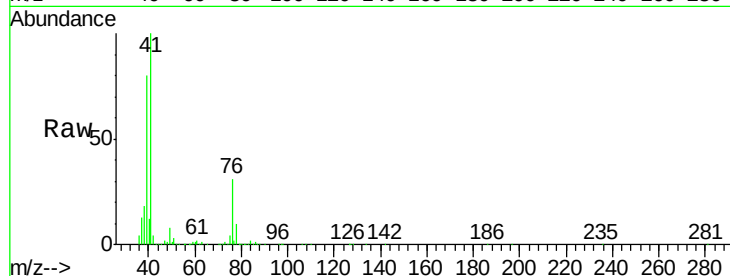
#21
Allvl Chloride
Concen: 11.309 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.8	24.9	37.3
39	83.4	63.7	95.5

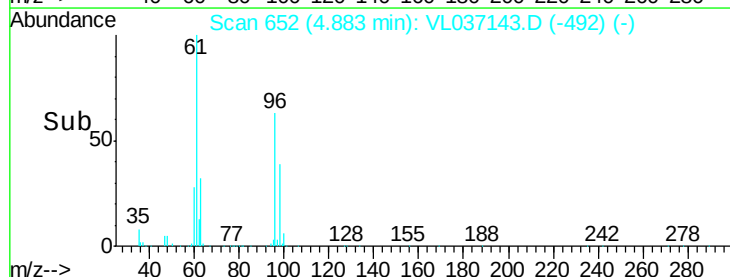
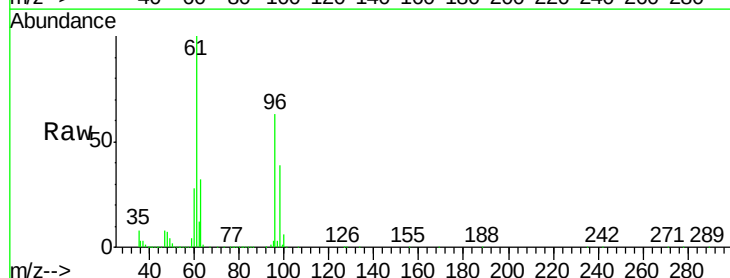
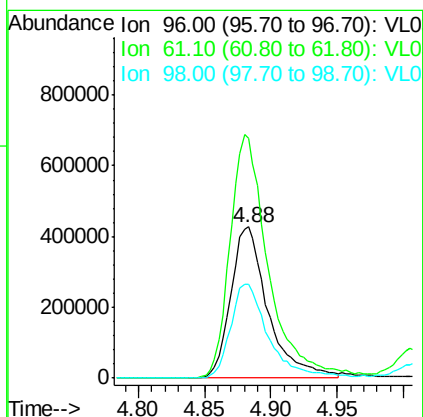
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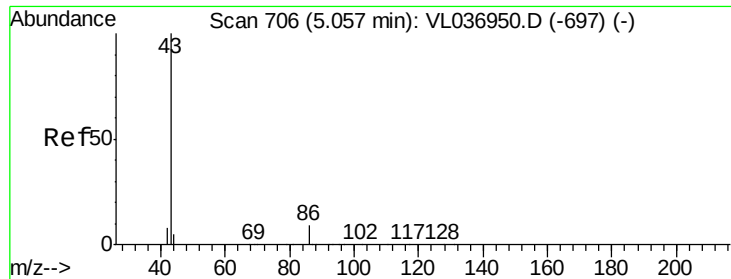
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#22
trans-1,2-Dichloroethene
Concen: 12.590 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	130.6	196.0
98	62.4	50.8	76.2





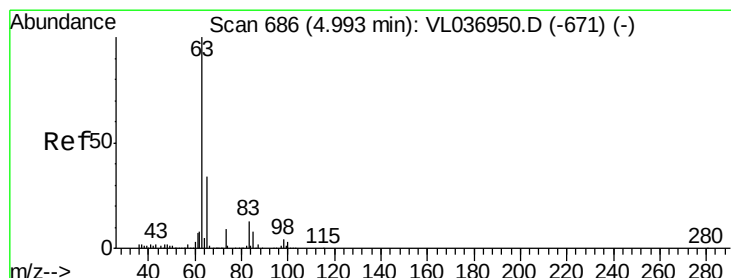
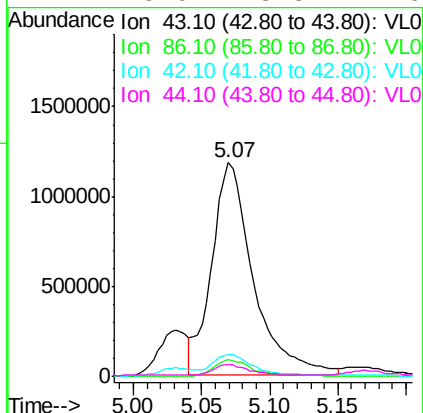
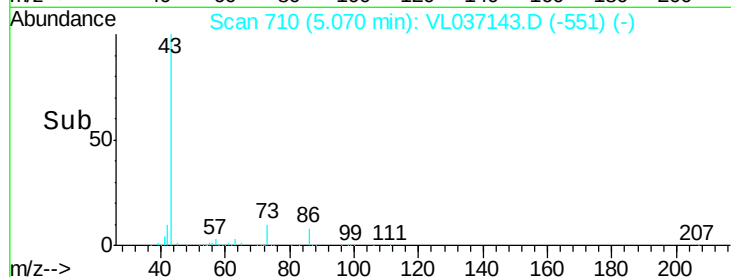
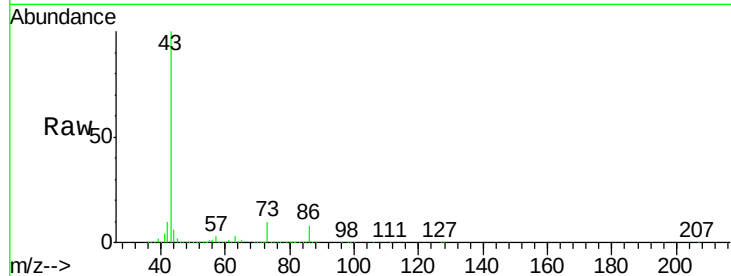
#23
 Vinyl Acetate
 Concen: 11.541 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	43	Resp:	2511133
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.8	8.8
42	10.1	7.4	11.2
44	5.0	3.3	4.9#

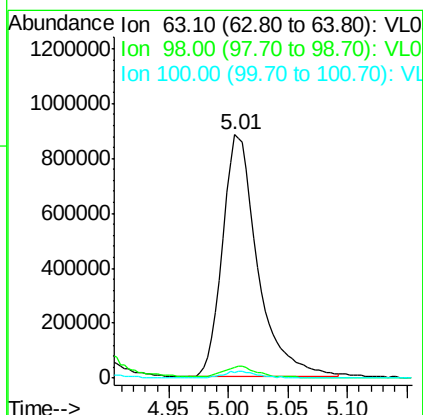
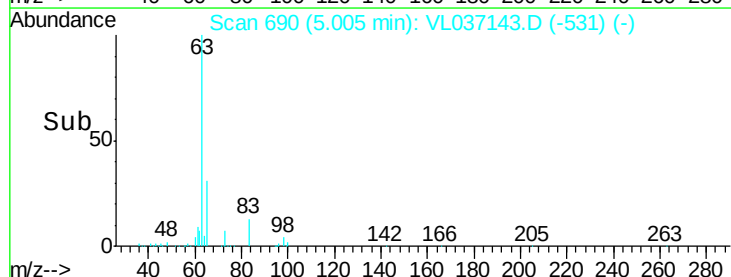
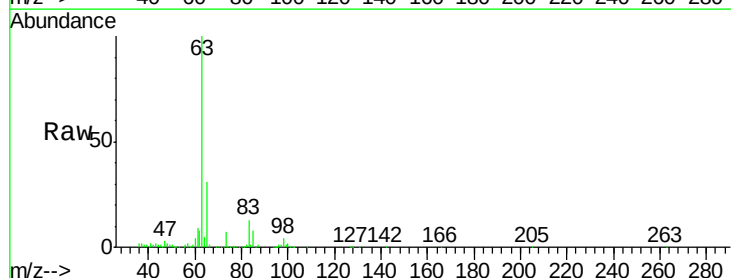
Manual Integrations
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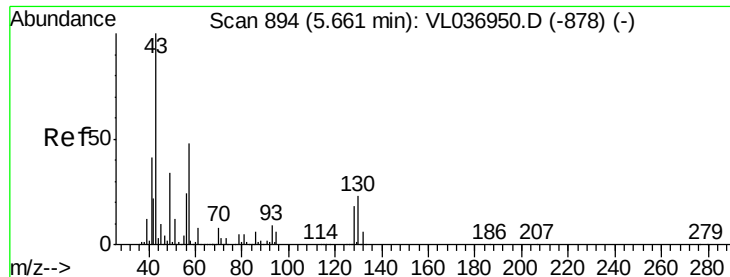
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#24
 1,1-Dichloroethane
 Concen: 11.592 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion:	63	Resp:	1815446
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.9
100	2.4	1.4	4.0





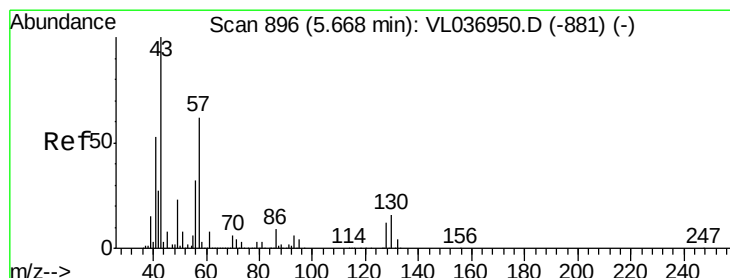
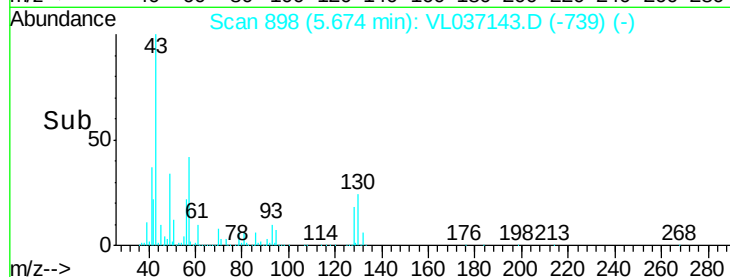
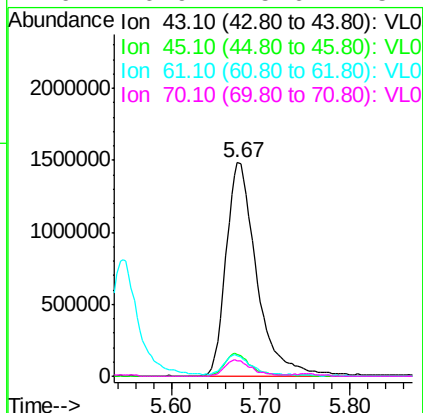
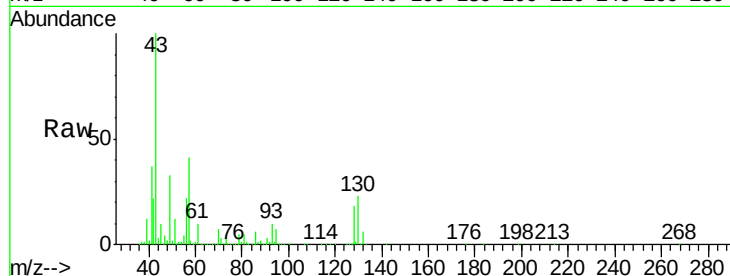
#25
Ethyl Acetate
Concen: 10.686 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3519916
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.9	7.8	11.8
70	6.9	5.6	8.4

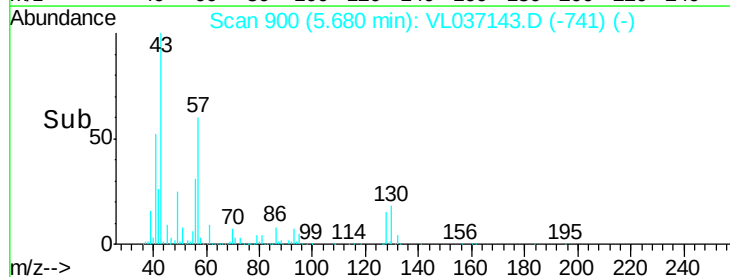
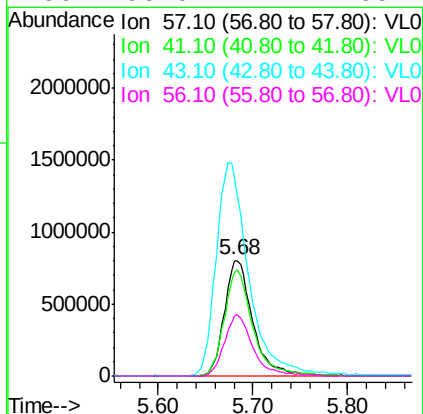
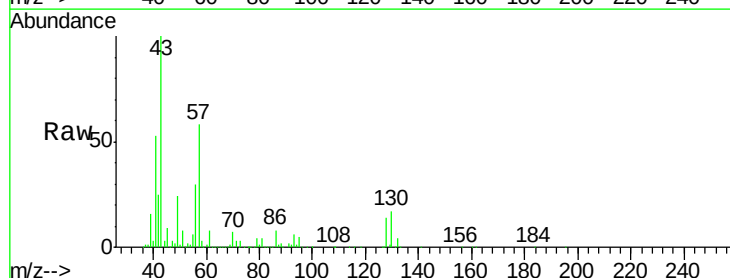
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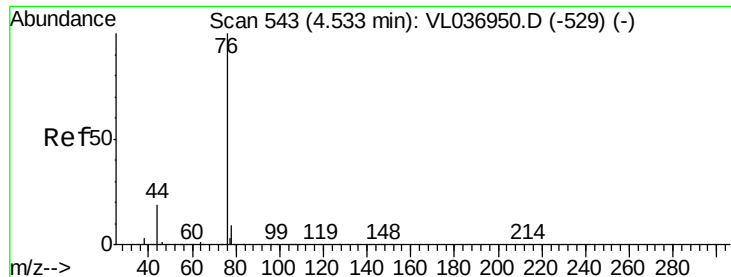
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#26
Hexane
Concen: 9.981 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion	57	Resp	1679631
Ion	Ratio	Lower	Upper
57	100		
41	92.3	70.5	105.7
43	210.9	165.8	248.8
56	53.0	42.2	63.4





#27

Carbon Disulfide

Concen: 11.121 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1886048

Ion Ratio Lower Upper

76 100

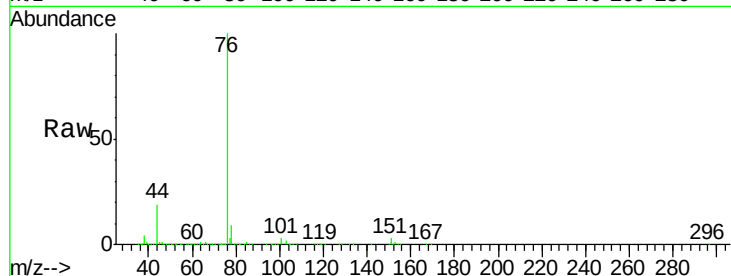
44 19.2 15.5 23.3

78 9.6 7.8 11.6

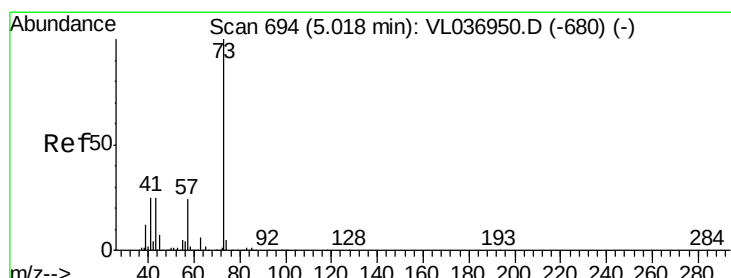
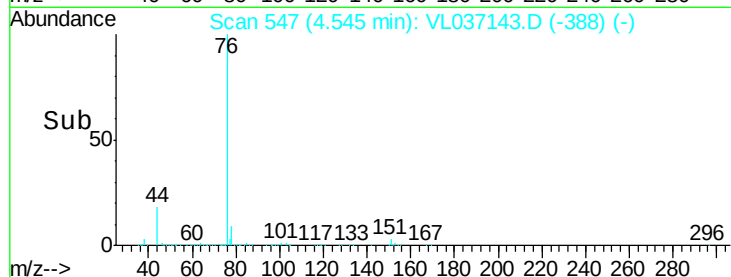
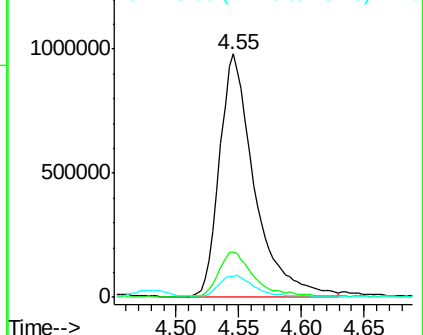
Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.666 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037143.D

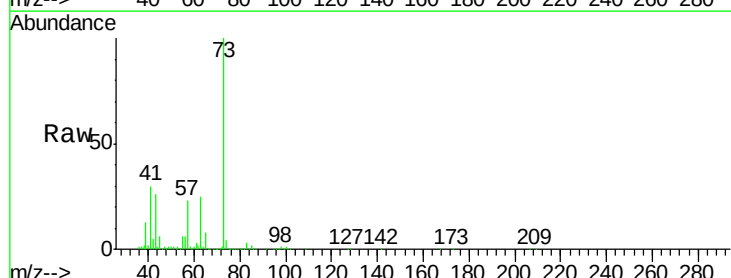
Acq: 8 Jun 2021 22:15

Tgt Ion: 73 Resp: 2151358

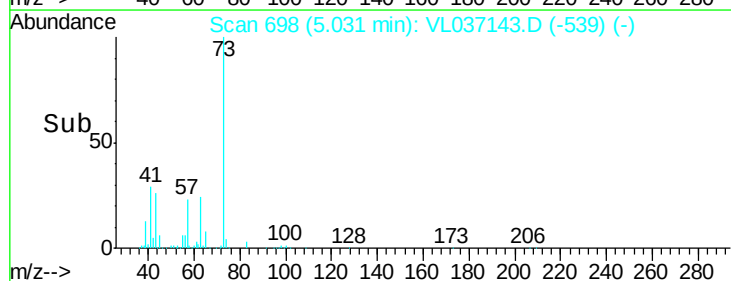
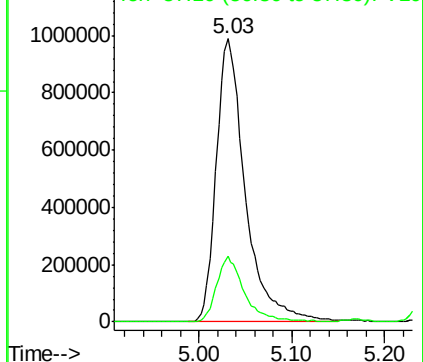
Ion Ratio Lower Upper

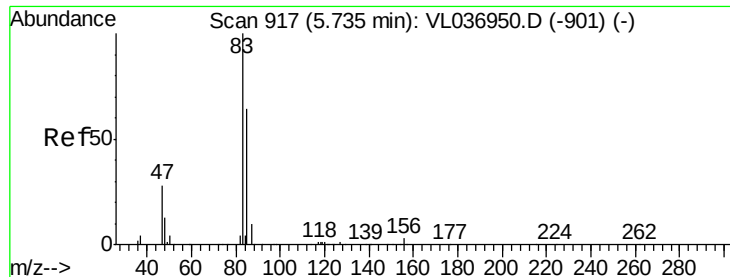
73 100

57 22.3 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





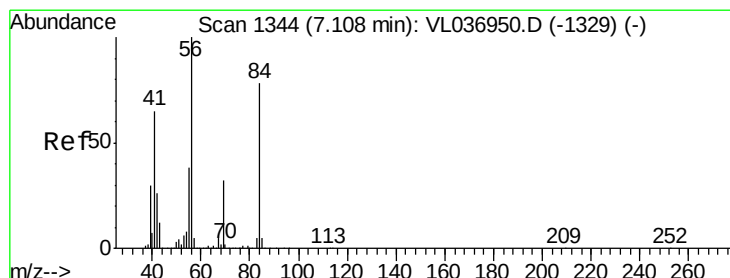
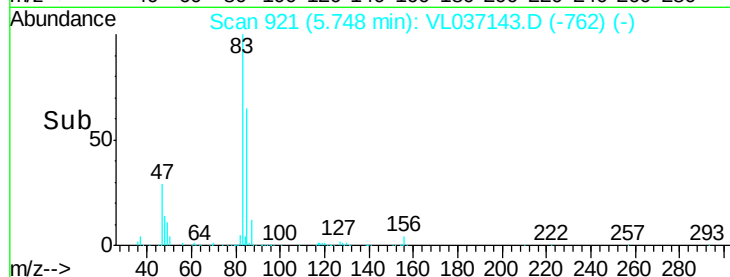
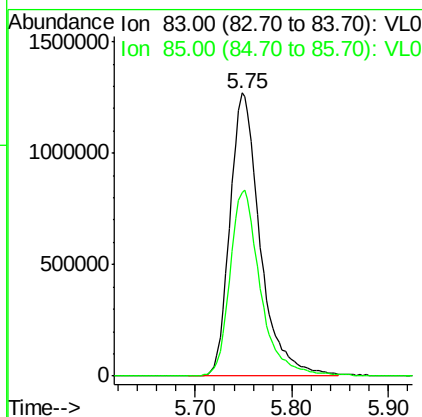
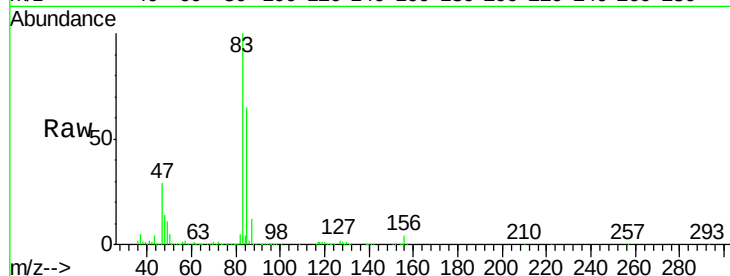
#29
Chloroform
Concen: 11.617 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2761830
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7

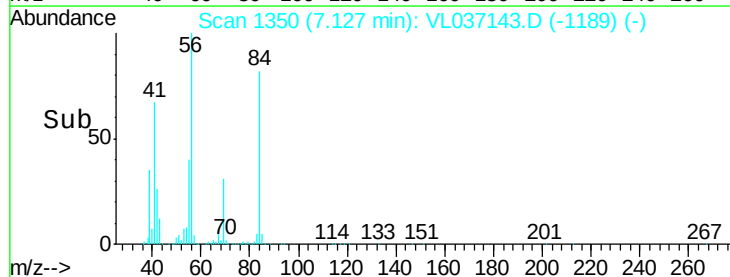
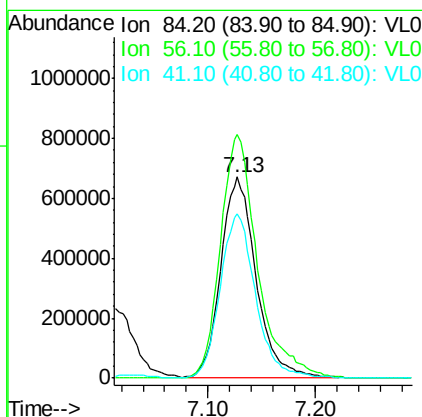
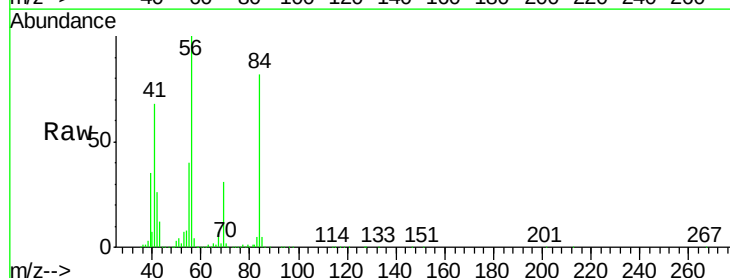
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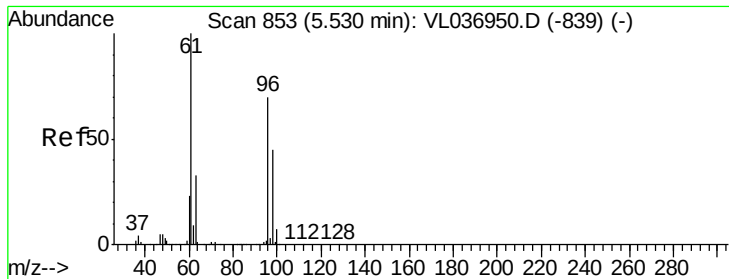
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#30
Cyclohexane
Concen: 10.553 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 84 Resp: 1509137
Ion Ratio Lower Upper
84 100
56 129.9 107.9 161.9
41 83.0 65.5 98.3





#31

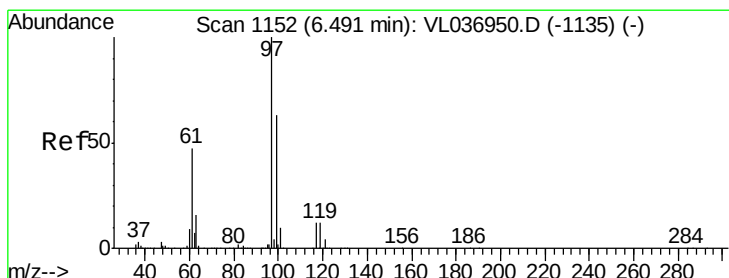
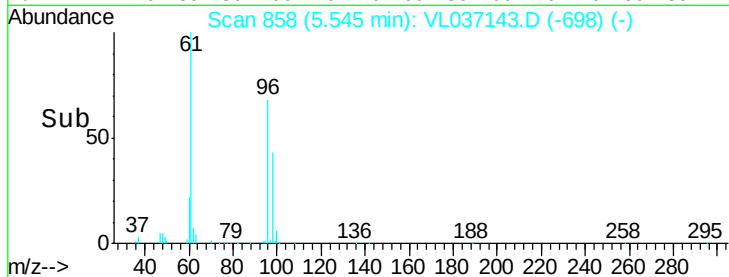
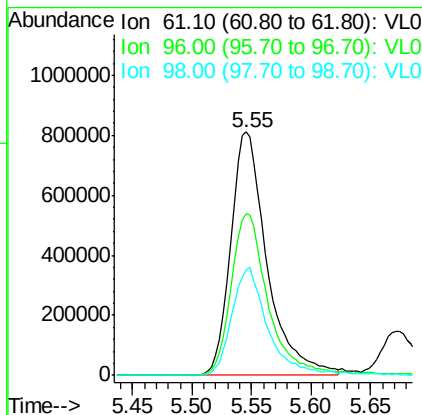
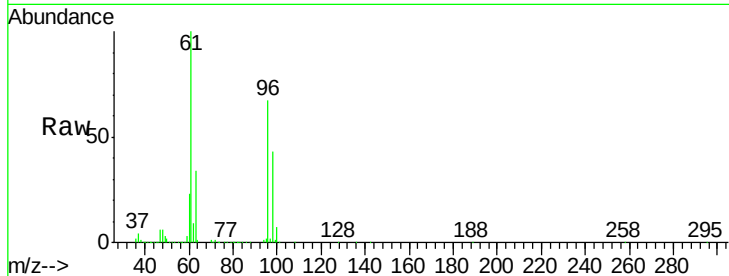
cis-1,2-Dichloroethene
 Concen: 11.342 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.6	55.9	83.9
98	43.3	35.6	53.4

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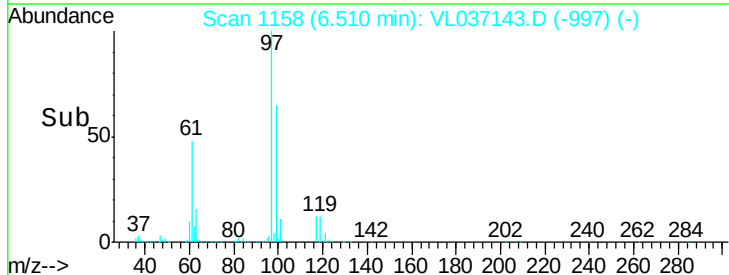
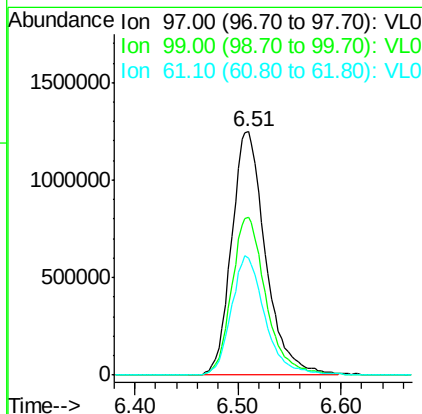
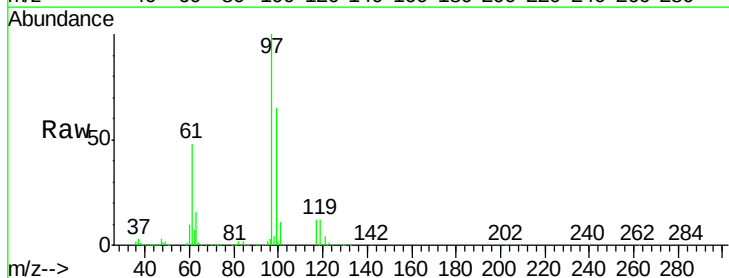
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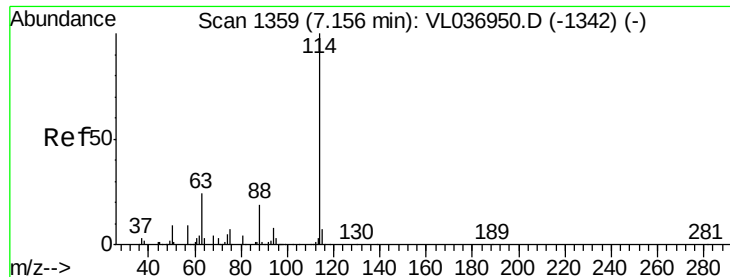


#32

1,1,1-Trichloroethane
 Concen: 11.249 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.9	77.9
61	48.2	37.6	56.4





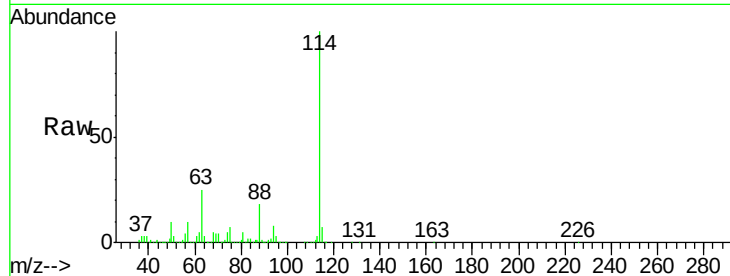
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

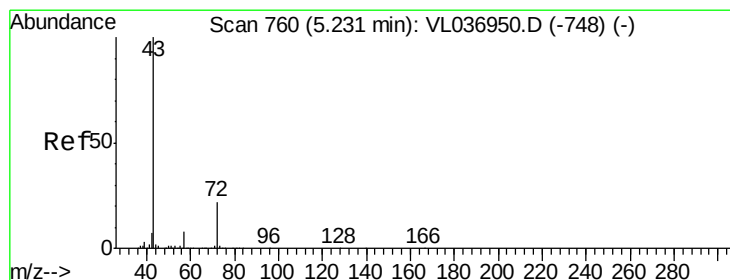
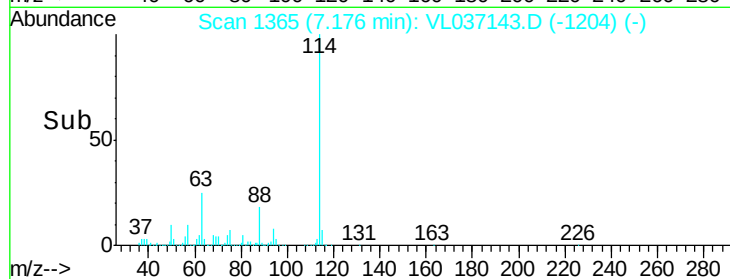
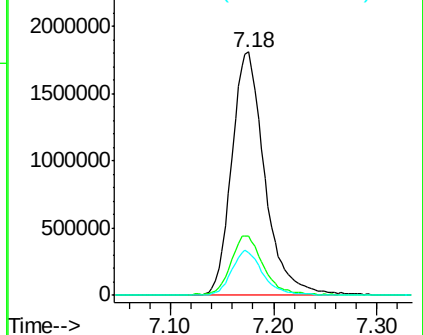
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	17.6	14.6	21.8

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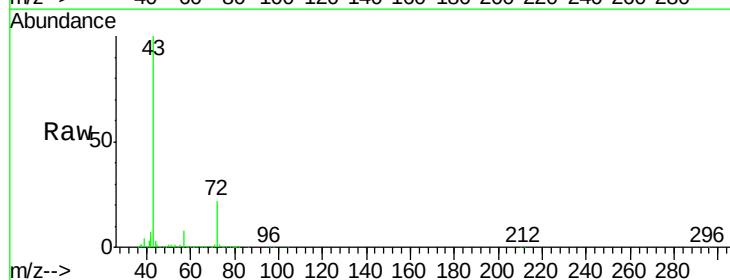


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

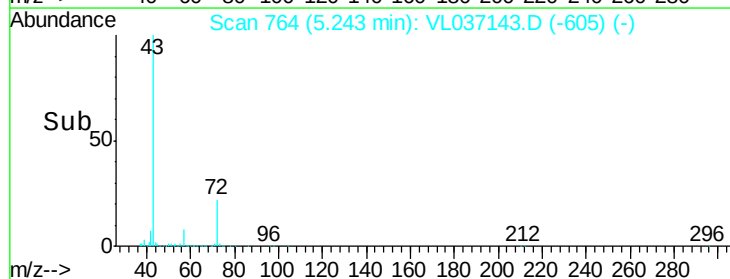
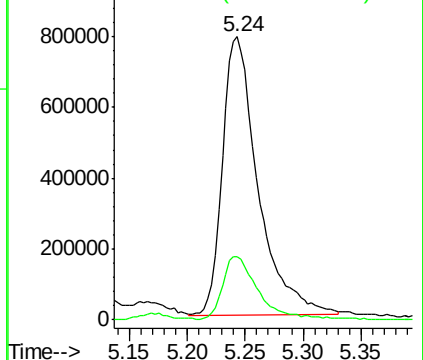


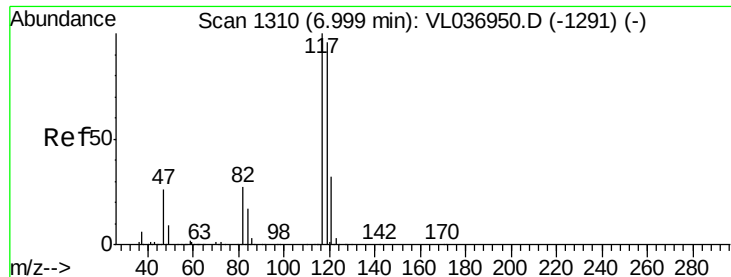
#34
 2-Butanone
 Concen: 11.378 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.4



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





#35

Carbon Tetrachloride

Concen: 11.390 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 3058074

Ion Ratio Lower Upper

117 100

119 93.6 76.6 114.8

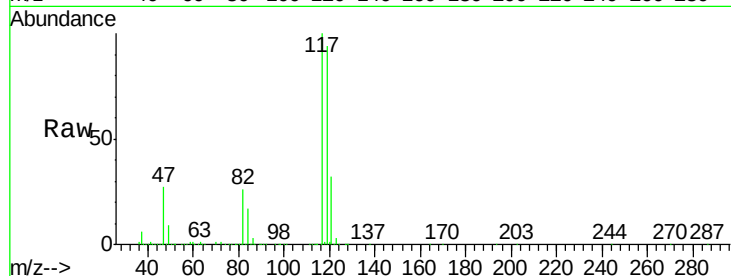
121 32.1 25.8 38.6

Manual Integrations

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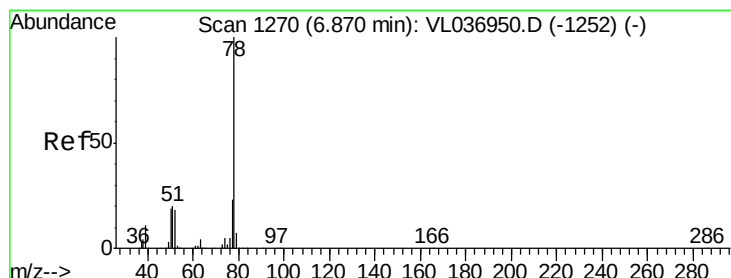
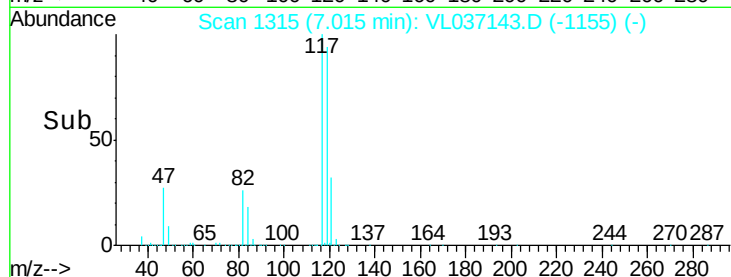
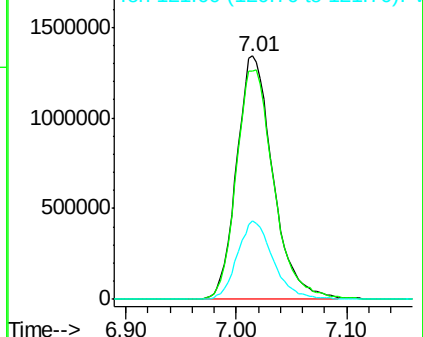
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.184 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

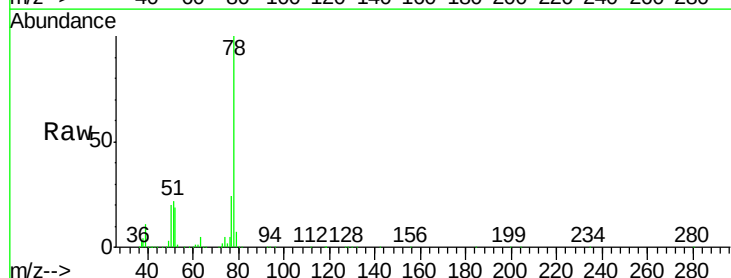
Tgt Ion: 78 Resp: 3544655

Ion Ratio Lower Upper

78 100

77 24.2 18.6 28.0

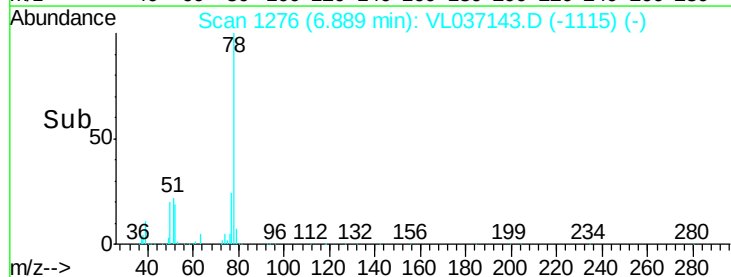
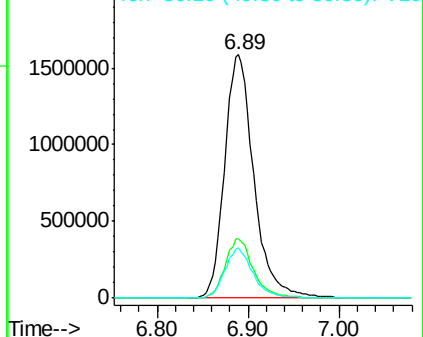
50 20.5 15.0 22.4

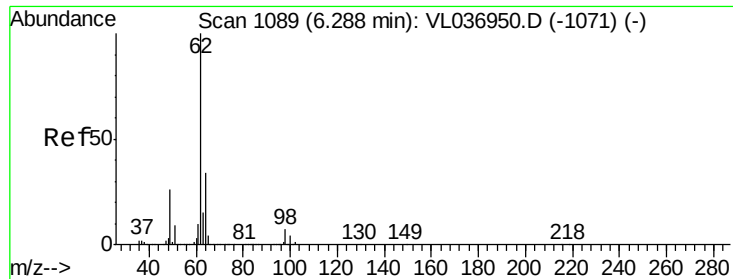


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





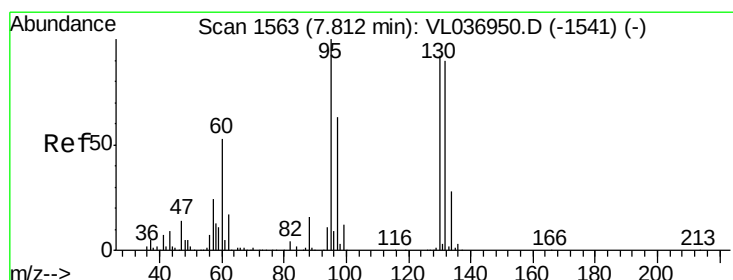
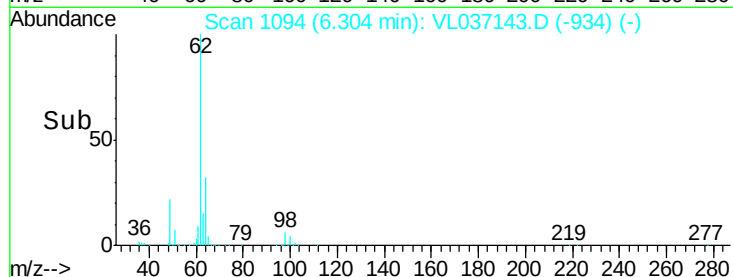
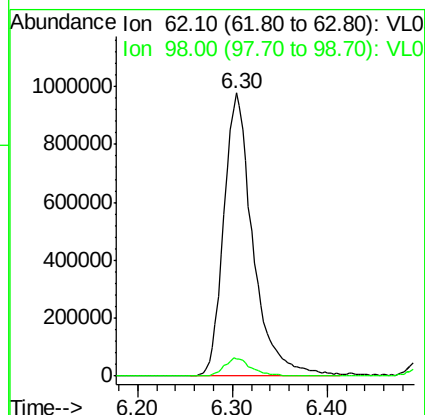
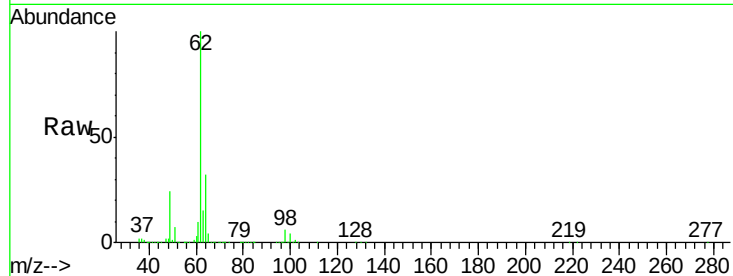
#37
1,2-Dichloroethane
Concen: 12.184 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 2102554
Ion Ratio Lower Upper
62 100
98 6.3 5.5 8.3

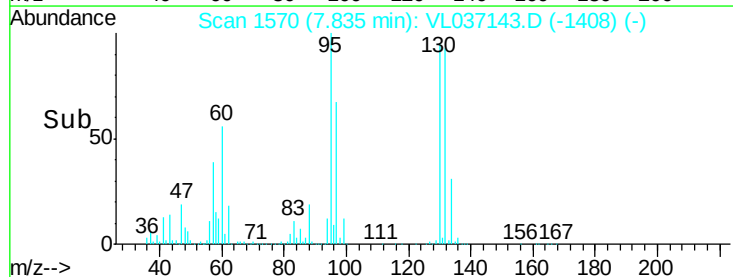
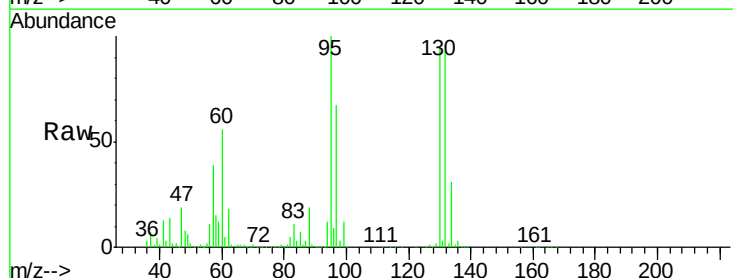
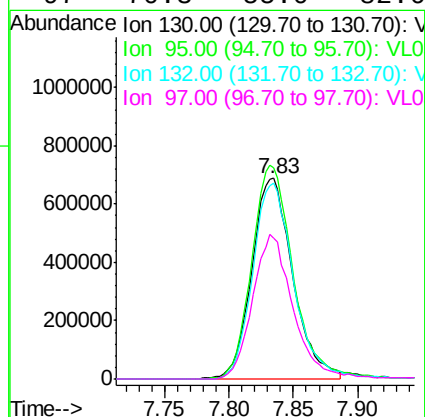
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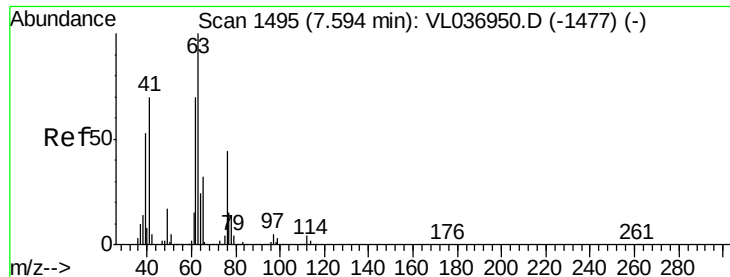
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#38
Trichloroethene
Concen: 10.239 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion:130 Resp: 1524615
Ion Ratio Lower Upper
130 100
95 105.3 86.9 130.3
132 97.5 78.4 117.6
97 70.3 55.0 82.6





#39

1,2-Dichloropropane

Concen: 10.063 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1349270

Ion Ratio Lower Upper

63 100

41 74.1 55.7 83.5

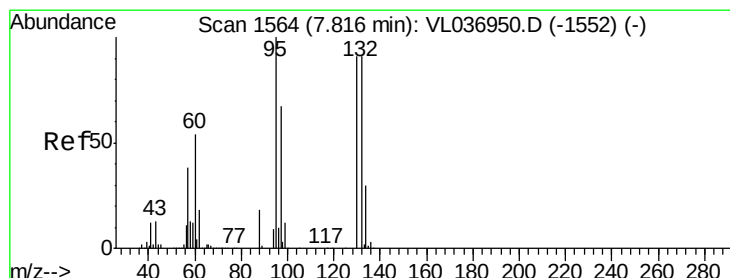
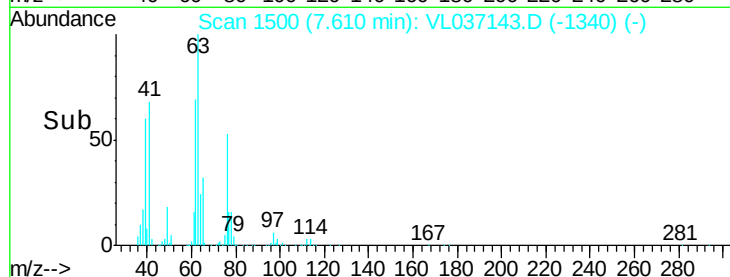
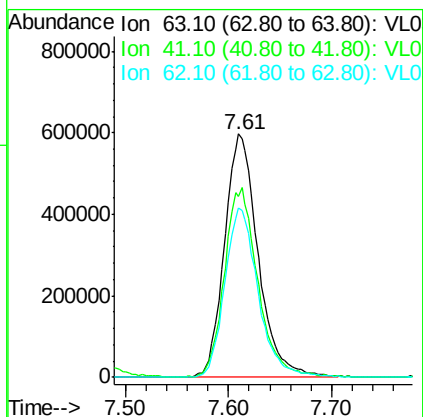
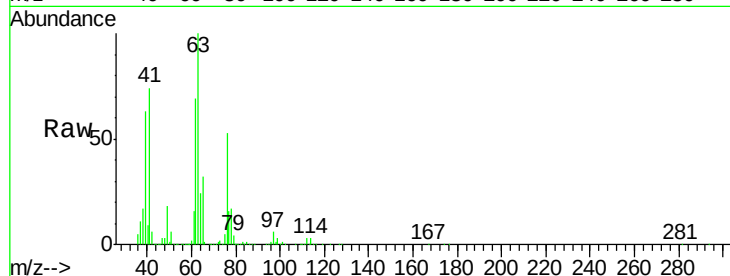
62 69.4 56.2 84.4

Manual Integrations

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#40

1,4-Dioxane

Concen: 10.731 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion: 88 Resp: 339751

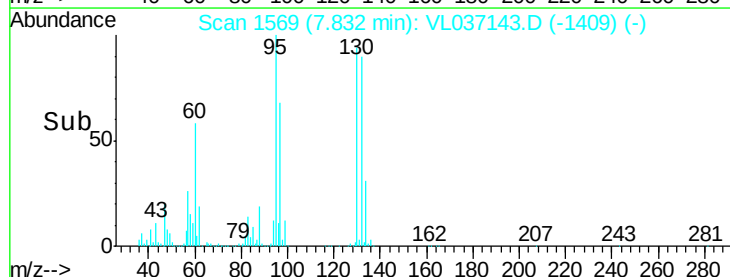
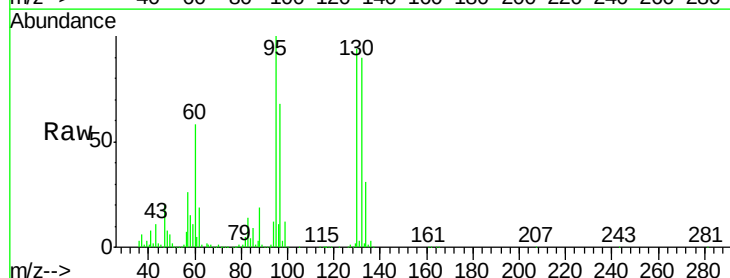
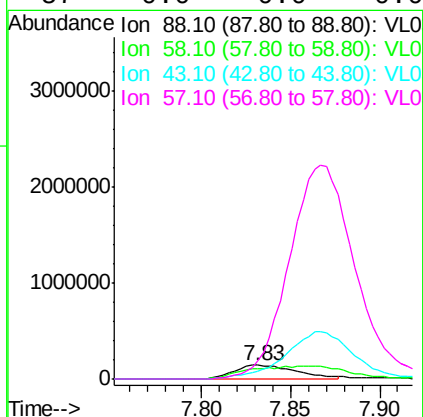
Ion Ratio Lower Upper

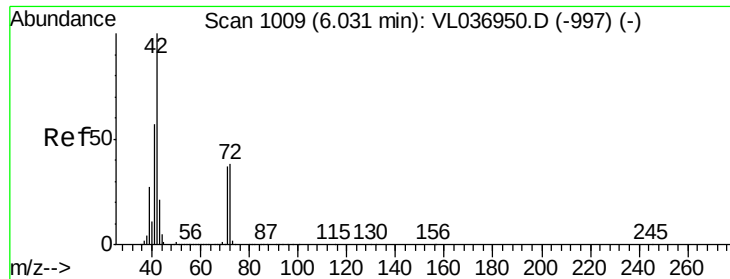
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





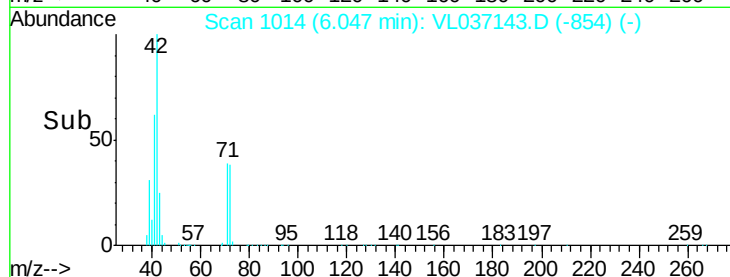
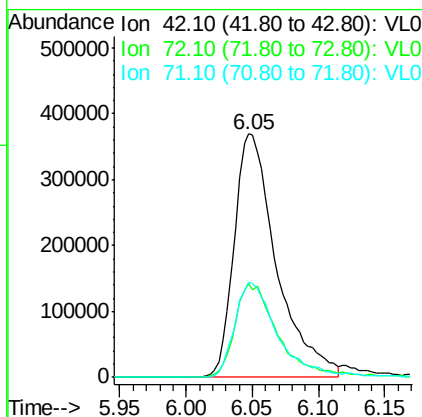
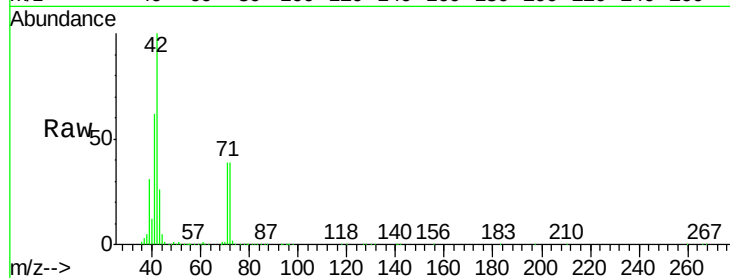
#41
Tetrahydrofuran
Concen: 9.772 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.4	47.2
71	40.3	30.4	45.6

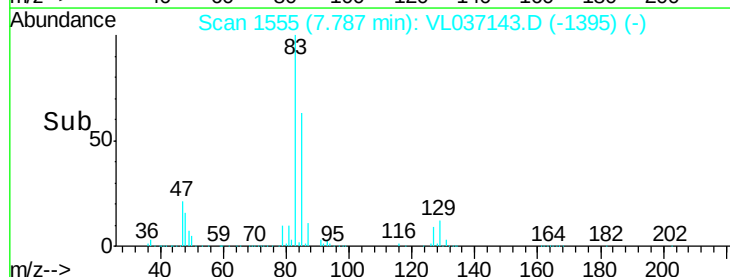
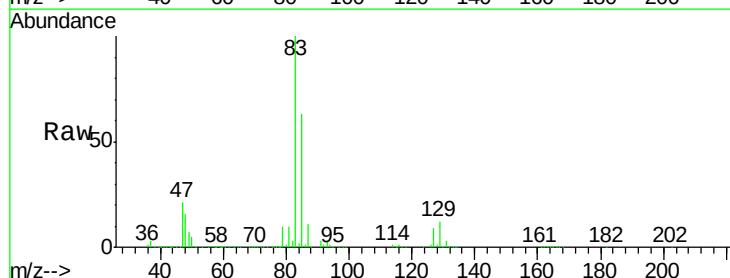
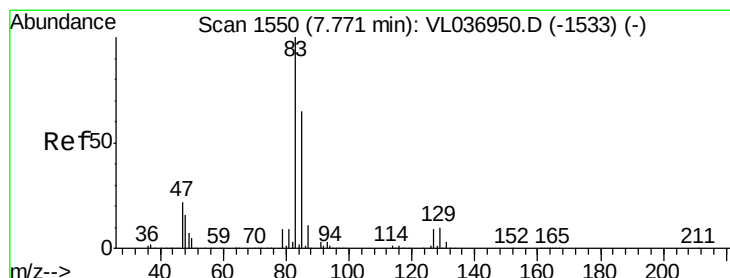
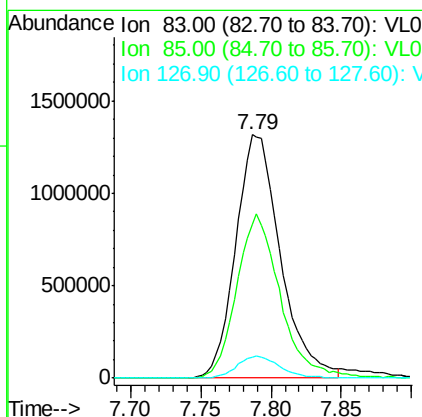
Manual Integrations
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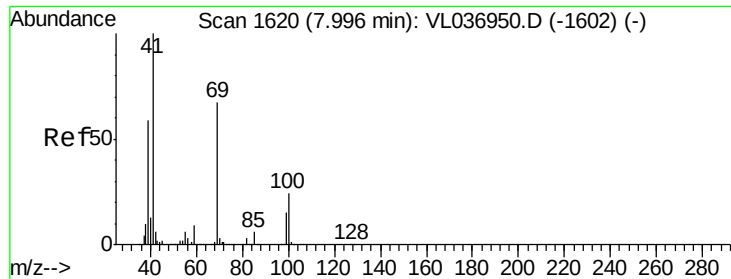
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#42
Bromodichloromethane
Concen: 11.185 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.7	77.5
127	8.8	6.9	10.3





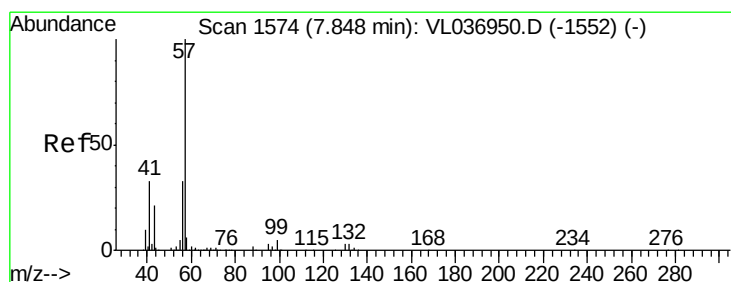
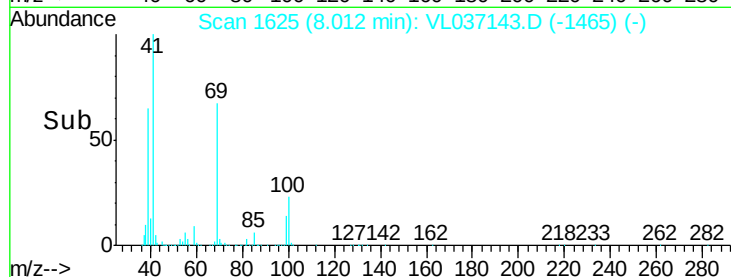
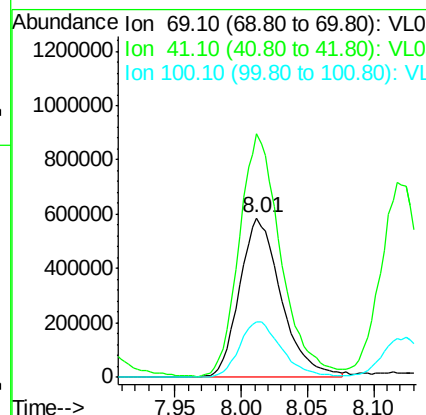
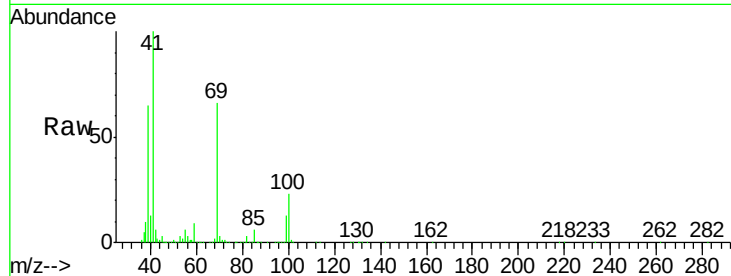
#43
Methvl Methacrylate
Concen: 10.674 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1280586
Ion Ratio Lower Upper
69 100
41 152.9 118.6 178.0
100 35.7 28.2 42.4

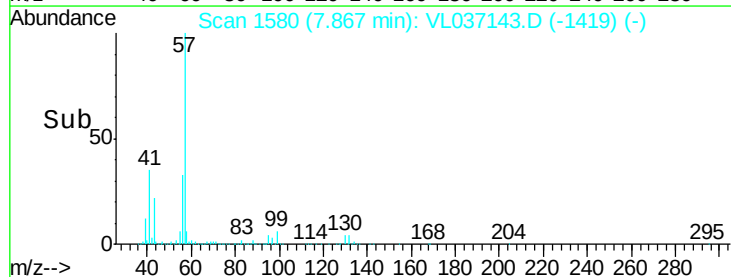
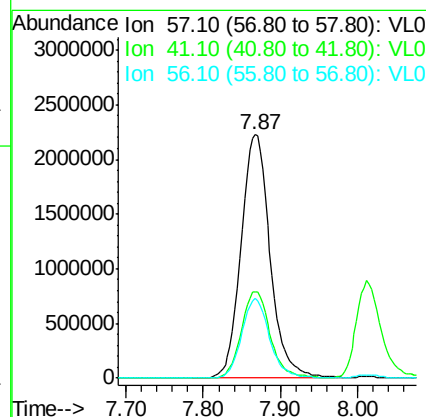
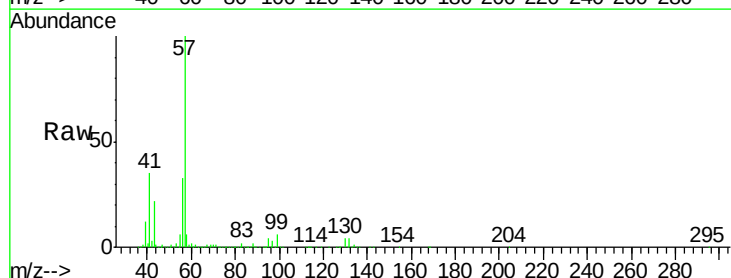
Manual Integrations
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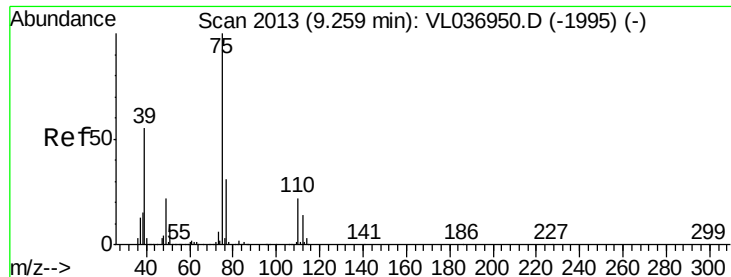
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#44
2,2,4-Trimethylpentane
Concen: 9.701 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 57 Resp: 5792850
Ion Ratio Lower Upper
57 100
41 35.2 27.0 40.4
56 31.4 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 13.961 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1279591

Ion Ratio Lower Upper

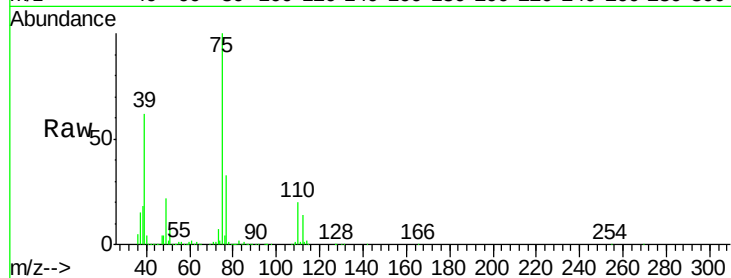
75 100

77 32.5 24.4 36.6

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

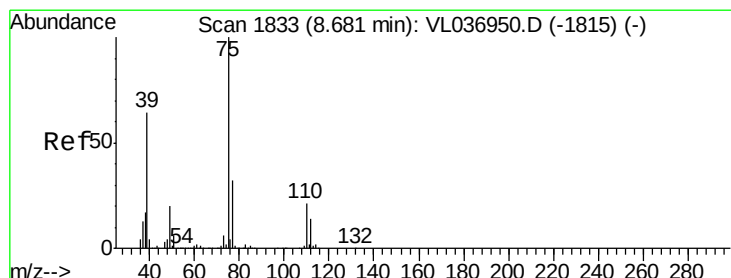
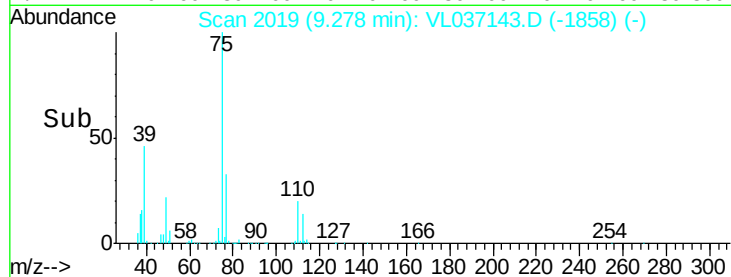
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.962 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

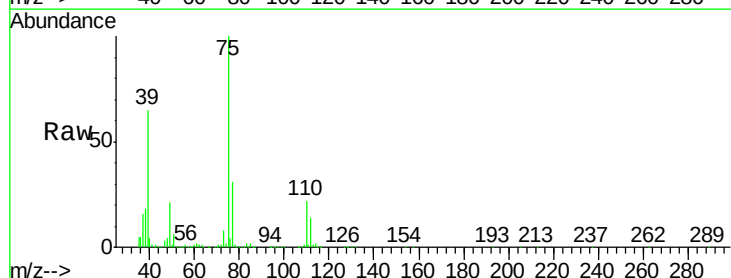
Tgt Ion: 75 Resp: 1597933

Ion Ratio Lower Upper

75 100

39 65.1 51.5 77.3

77 30.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

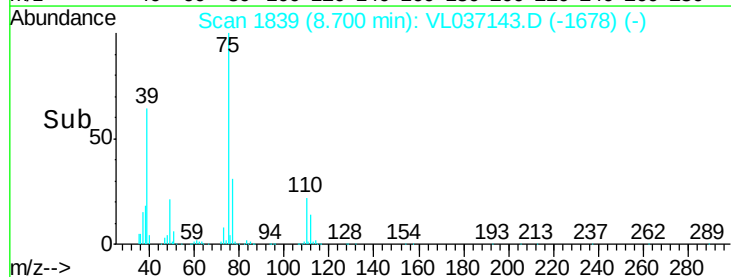
600000

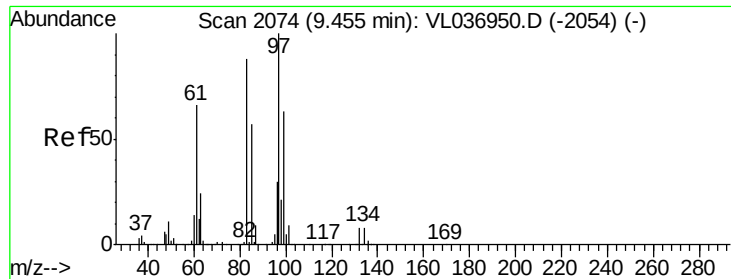
400000

200000

0

Time-->





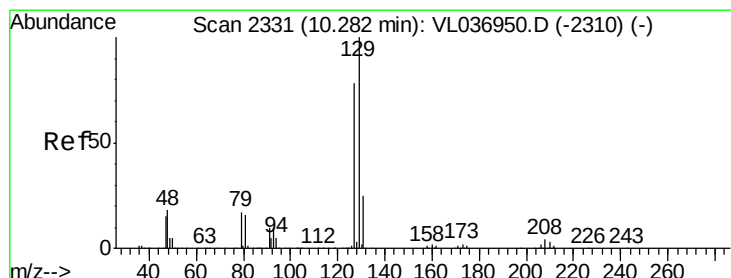
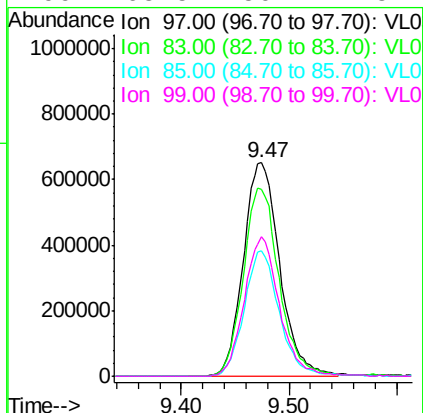
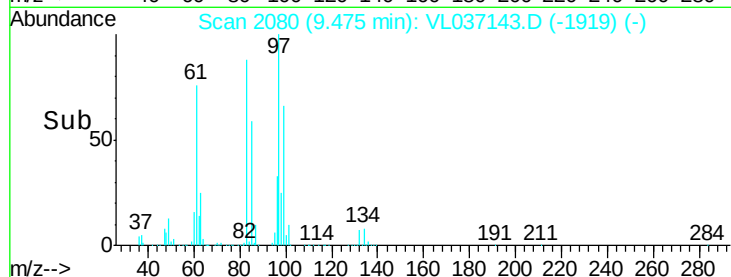
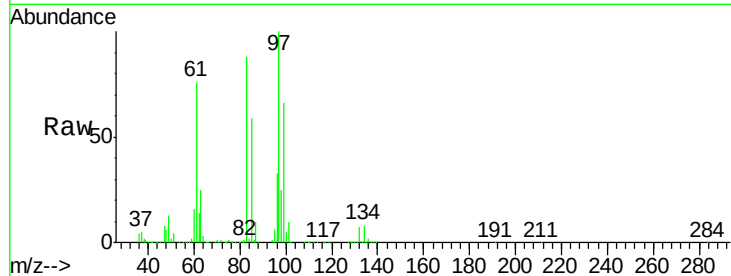
#47
 1,1,2-Trichloroethane
 Concen: 10.874 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.4	105.6
85	58.6	45.5	68.3
99	65.5	50.2	75.2

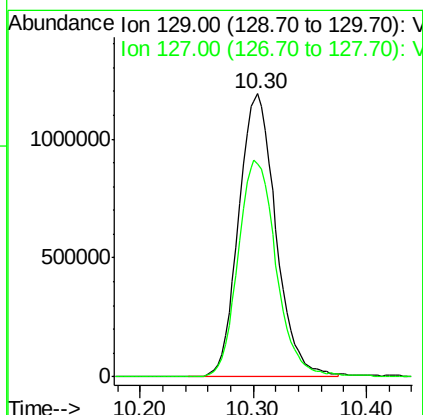
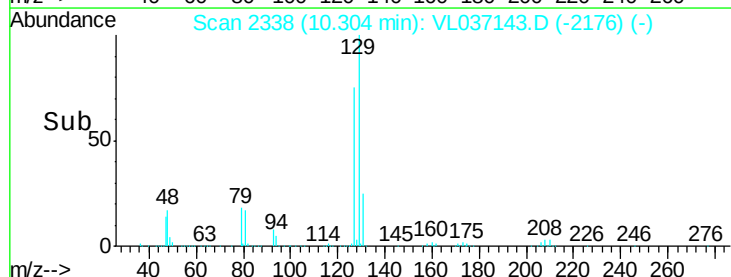
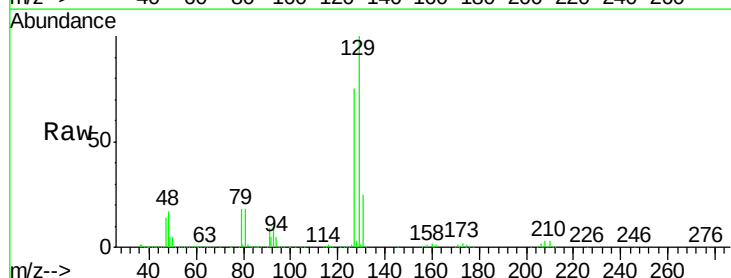
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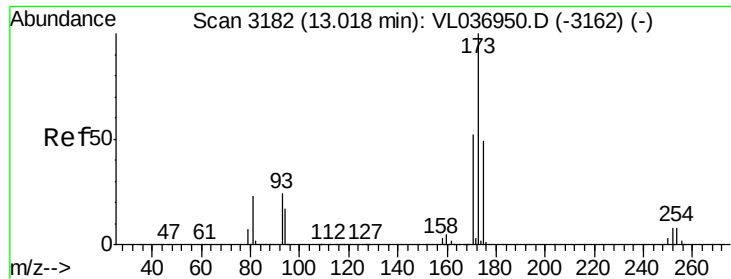
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.988 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.8





#49

Bromoform

Concen: 12.025 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2256606

Ion Ratio Lower Upper

173 100

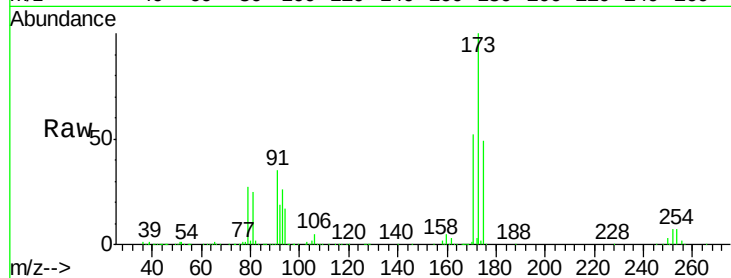
175 50.1 40.4 60.6

171 53.2 42.6 64.0

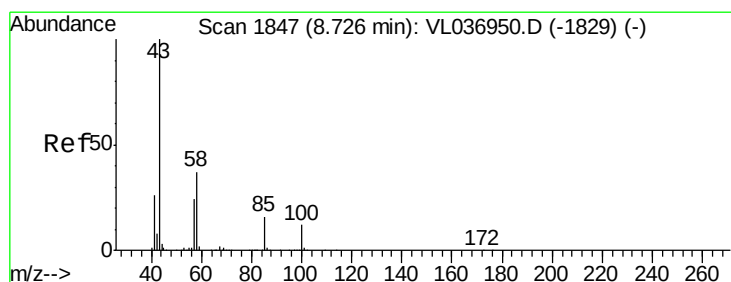
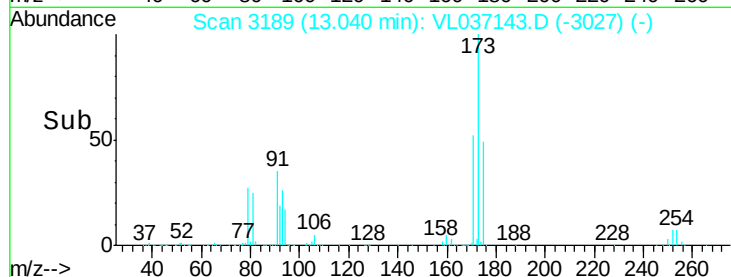
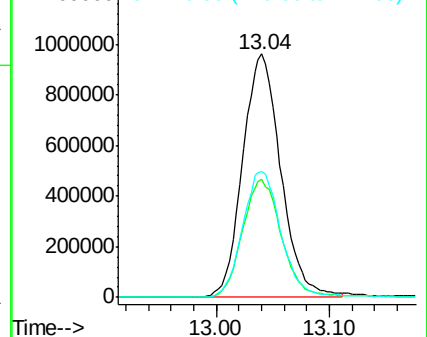
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.442 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037143.D

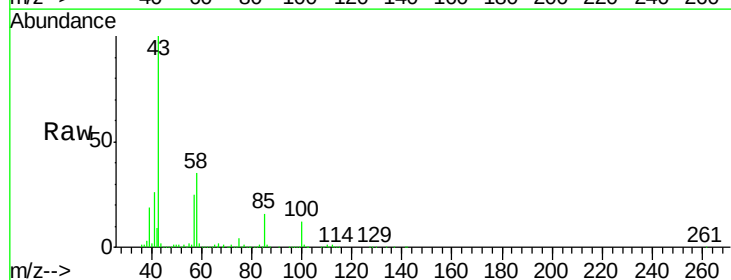
Acq: 8 Jun 2021 22:15

Tgt Ion: 43 Resp: 2535273

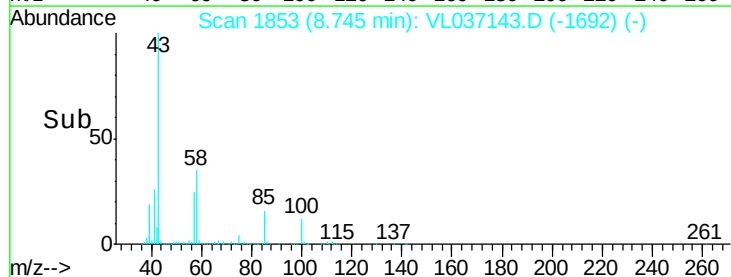
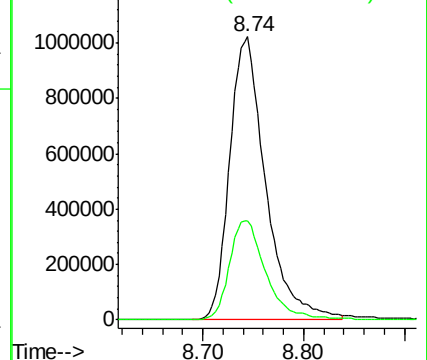
Ion Ratio Lower Upper

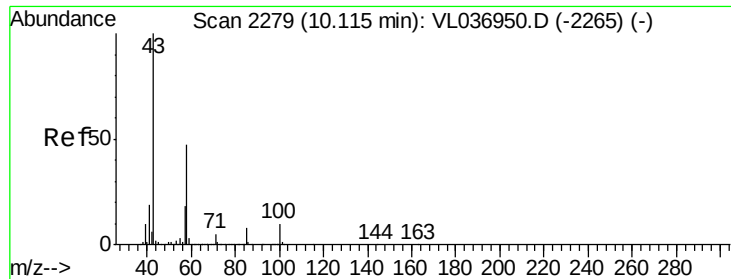
43 100

58 36.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.332 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1326283

Ion Ratio Lower Upper

43 100

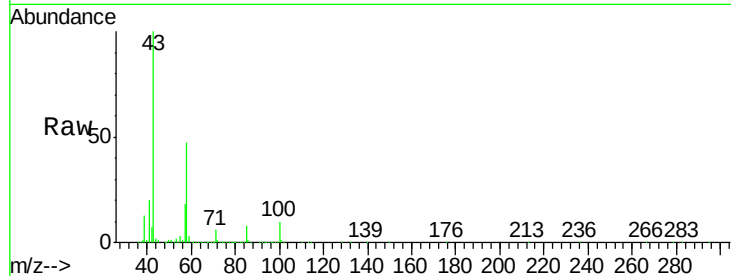
58 49.5 41.1 61.7

98 0.4 0.1 0.1#

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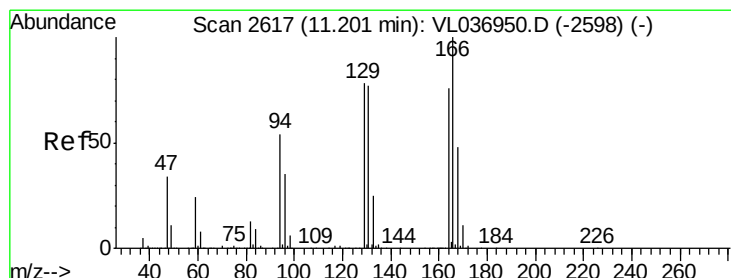
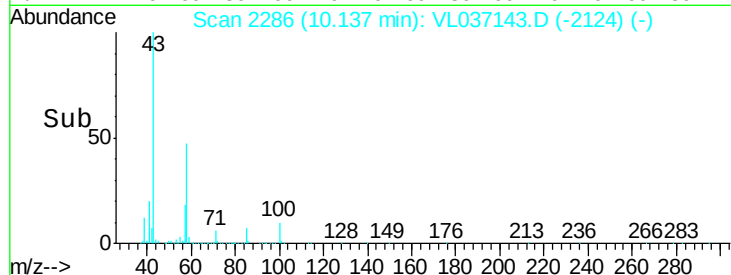
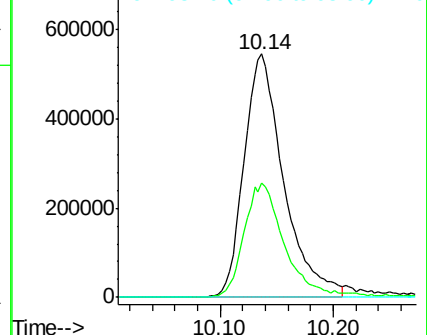
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.756 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion: 164 Resp: 1488777

Ion Ratio Lower Upper

164 100

166 126.5 105.5 158.3

129 104.2 81.8 122.8

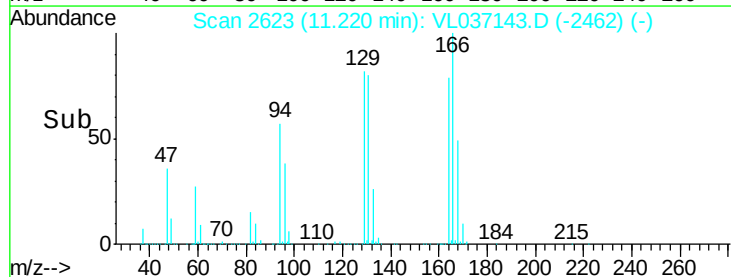
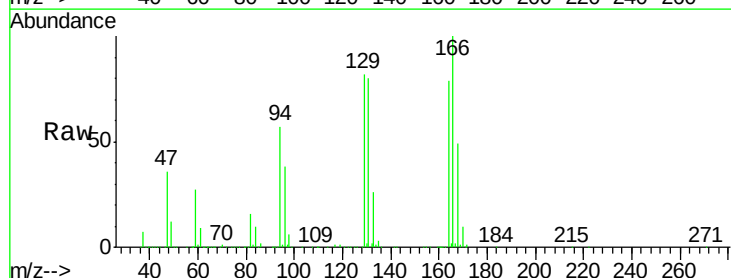
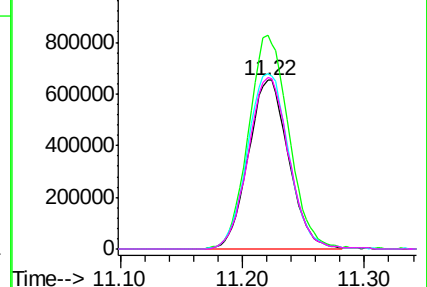
131 101.8 81.2 121.8

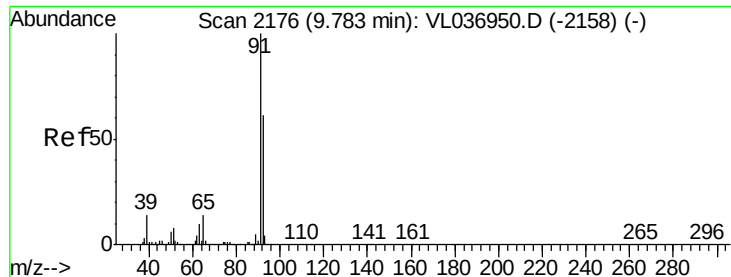
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.288 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4261006

Ion Ratio Lower Upper

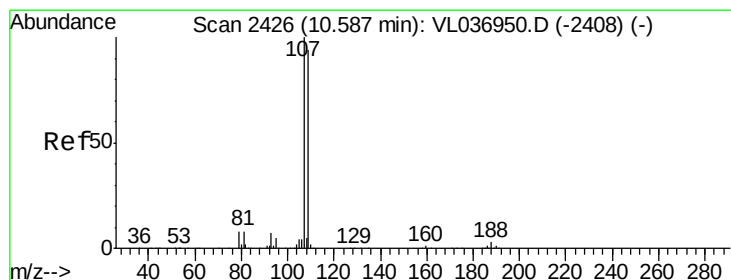
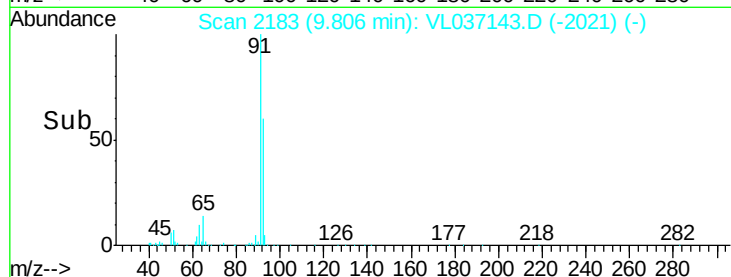
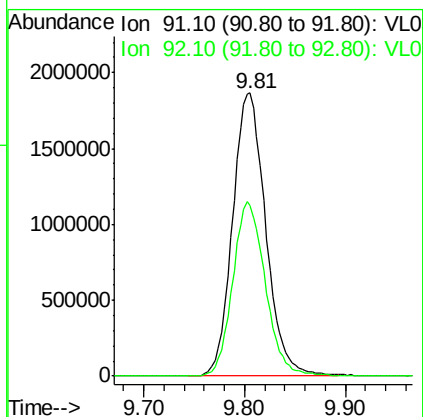
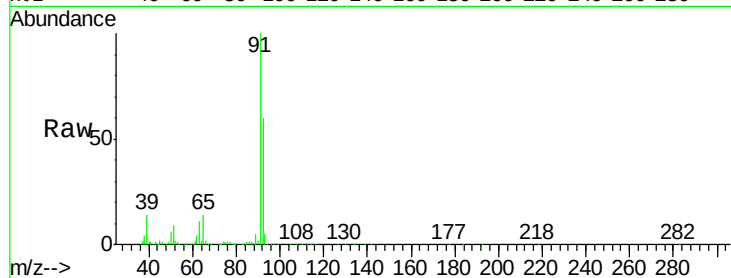
91 100

92 61.0 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 11.526 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL037143.D

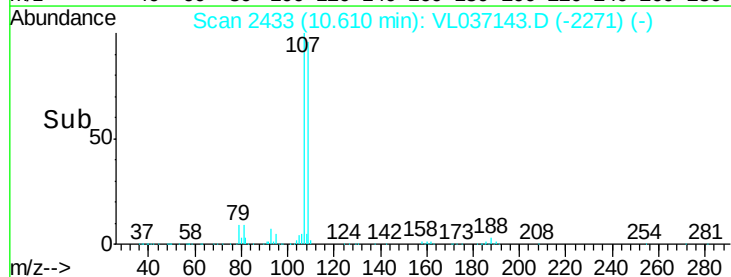
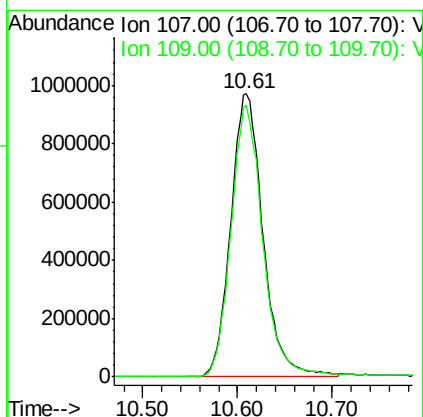
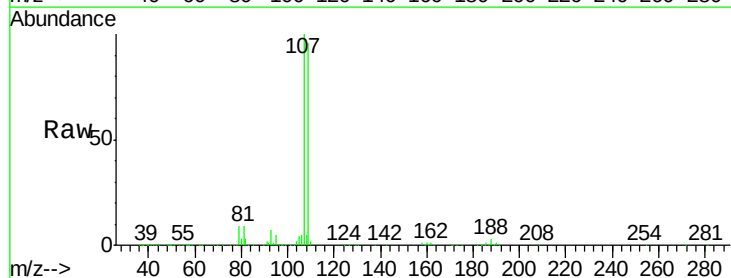
Acq: 8 Jun 2021 22:15

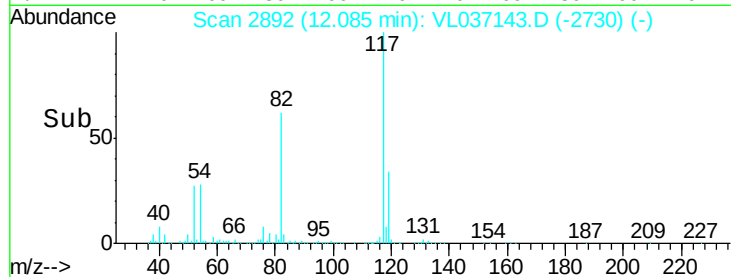
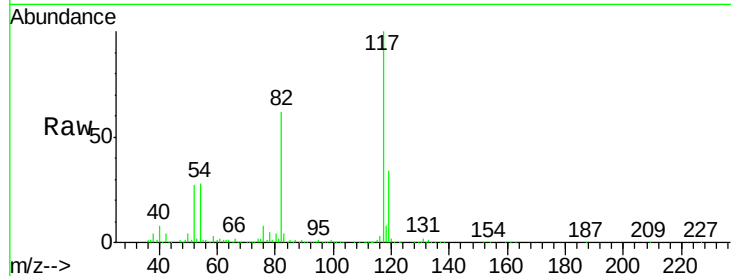
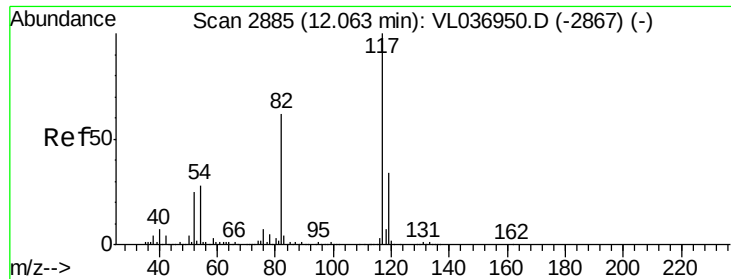
Tgt Ion: 107 Resp: 2299712

Ion Ratio Lower Upper

107 100

109 96.0 75.0 112.4





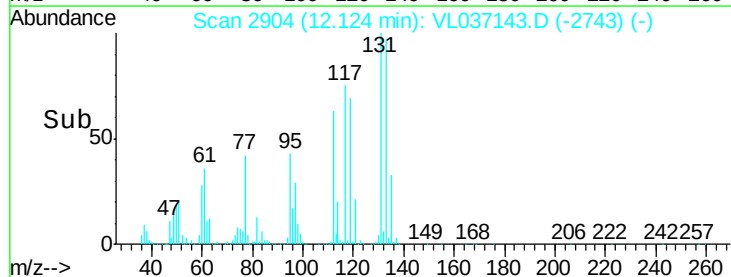
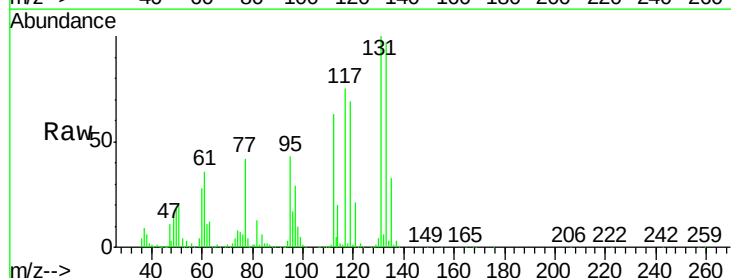
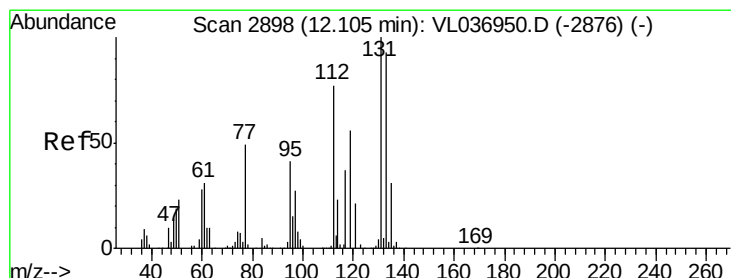
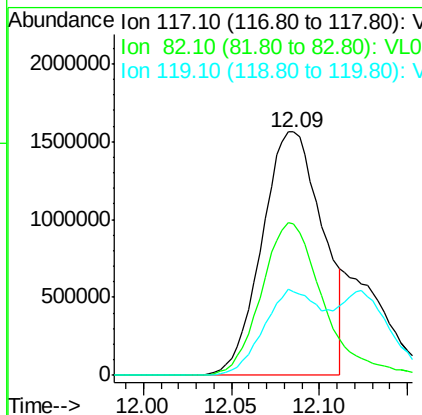
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3724738
Ion Ratio Lower Upper
117 100
82 65.6 52.6 79.0
119 33.1 46.6 70.0#

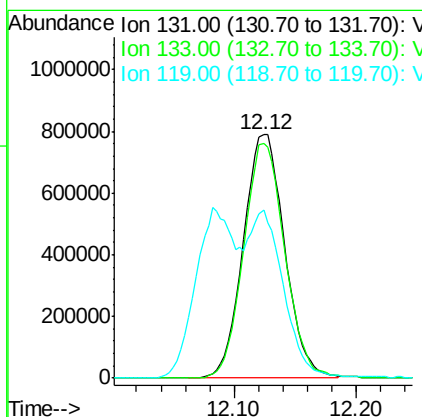
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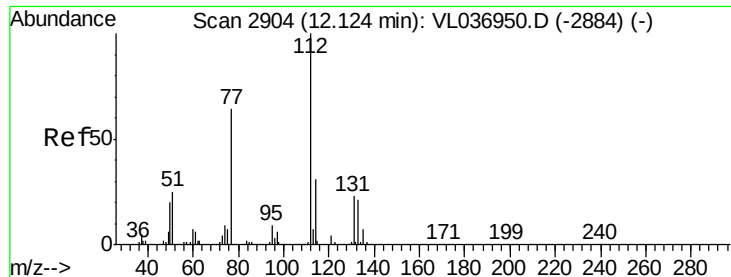
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.788 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion:131 Resp: 1847469
Ion Ratio Lower Upper
131 100
133 96.6 76.9 115.3
119 58.1 120.2 180.4#





#57

Chlorobenzene

Concen: 11.390 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3289445

Ion Ratio Lower Upper

112 100

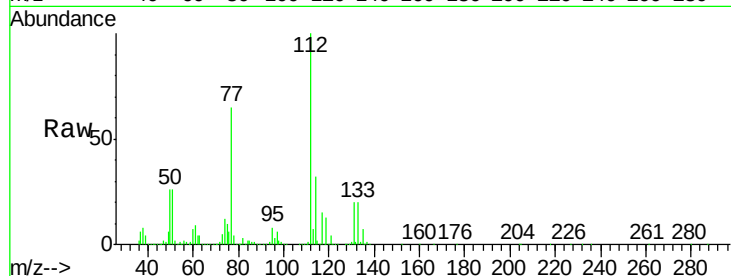
77 63.8 51.0 76.6

114 32.3 28.3 34.5

Manual Integrations
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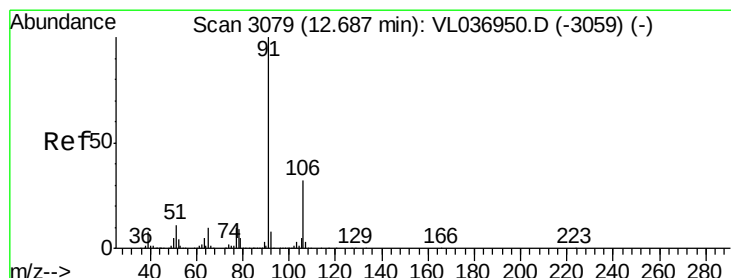
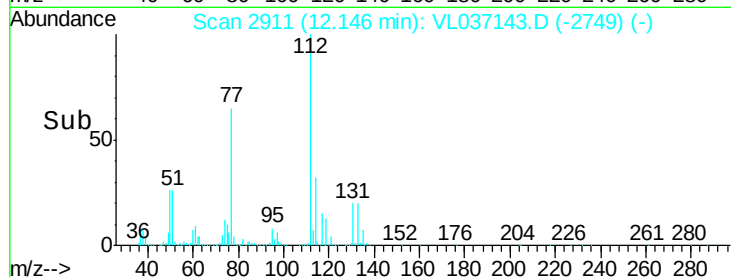
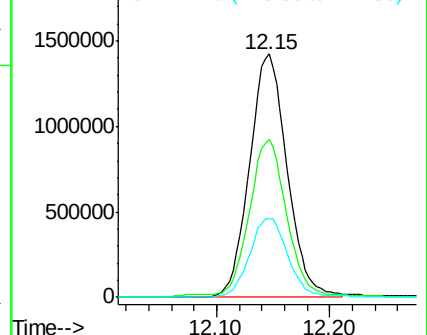
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.882 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VL037143.D

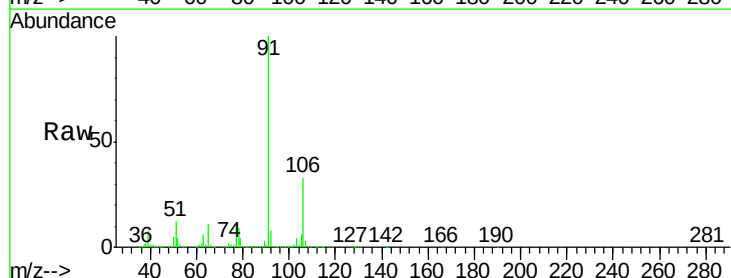
Acq: 8 Jun 2021 22:15

Tgt Ion: 91 Resp: 5720978

Ion Ratio Lower Upper

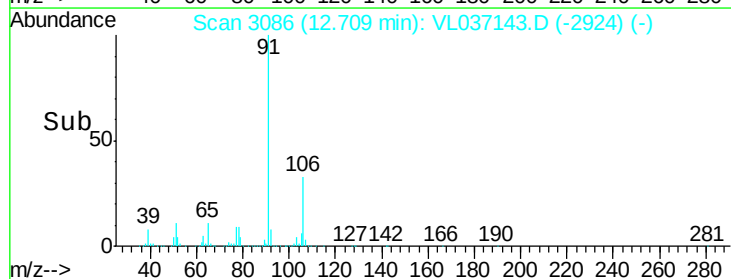
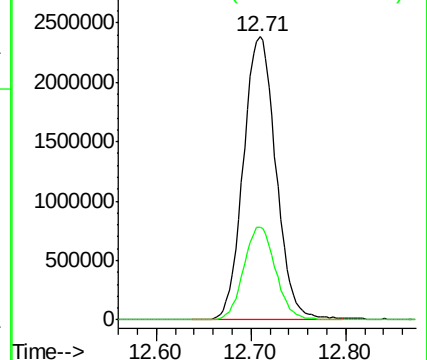
91 100

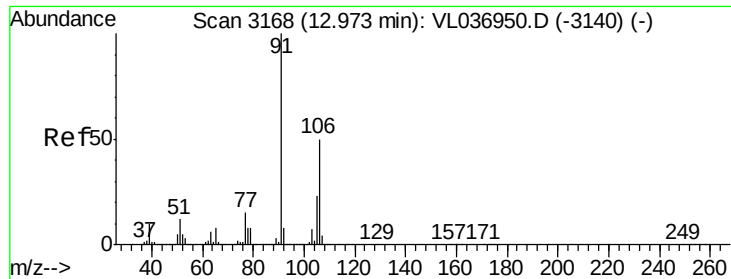
106 32.7 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





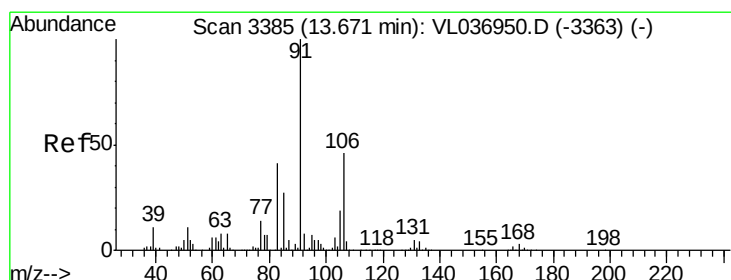
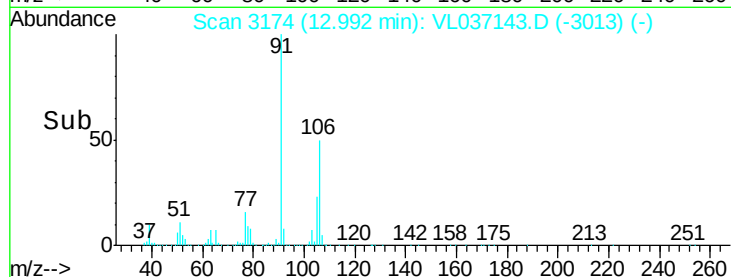
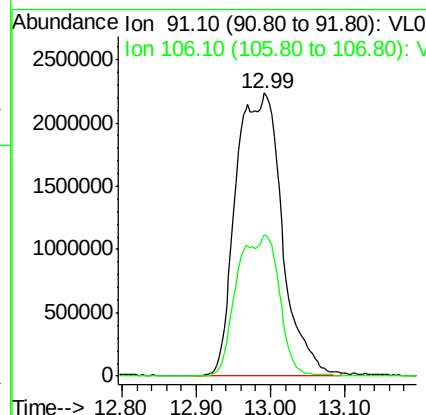
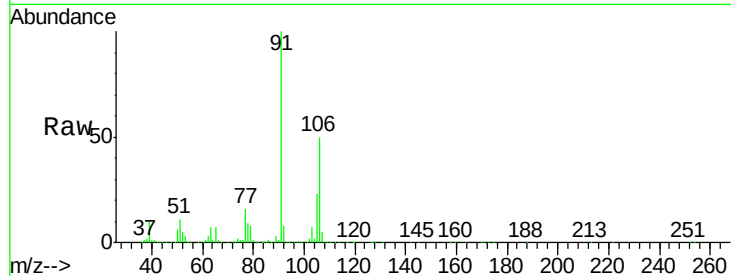
#59
m/p-Xylene
Concen: 22.232 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9660771
Ion Ratio Lower Upper
91 100
106 46.0 37.4 56.2

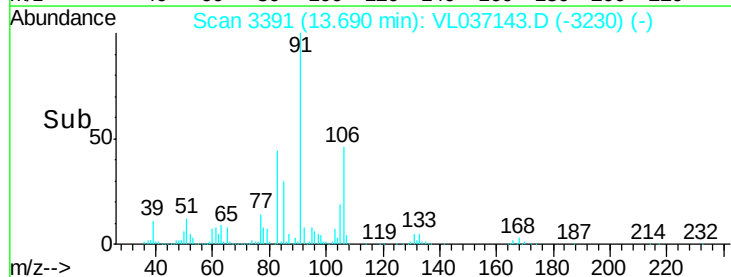
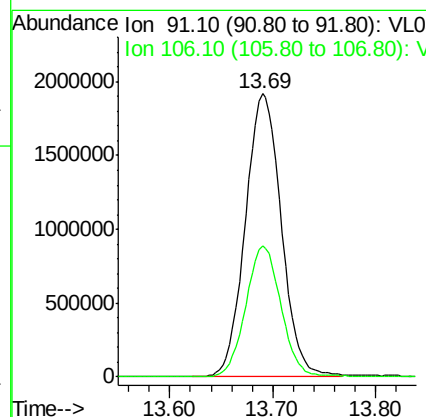
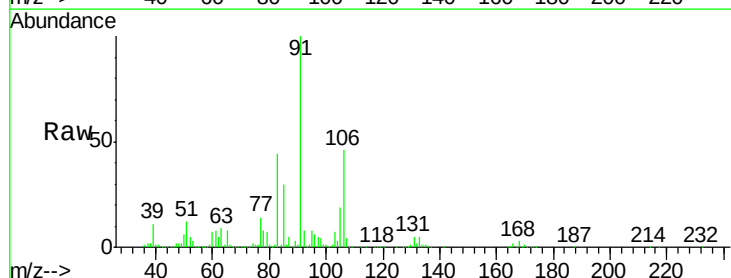
Manual Integrations
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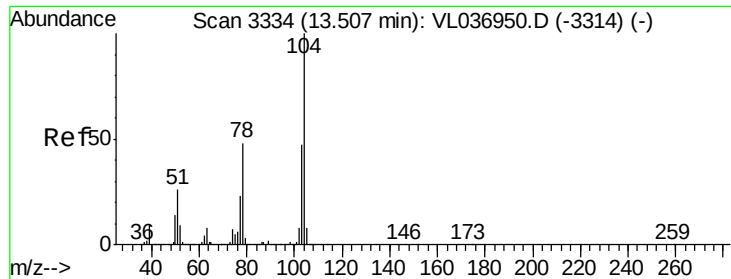
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#60
o-Xylene
Concen: 11.187 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 91 Resp: 4636224
Ion Ratio Lower Upper
91 100
106 45.7 23.4 70.3





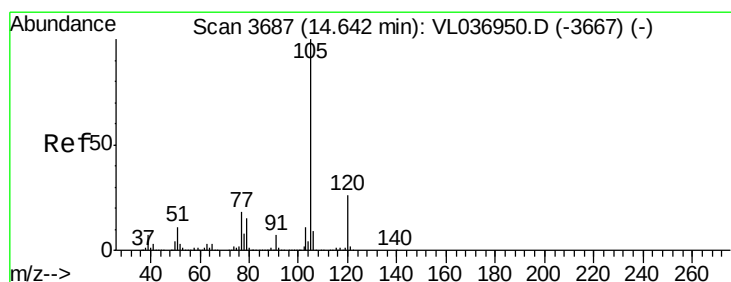
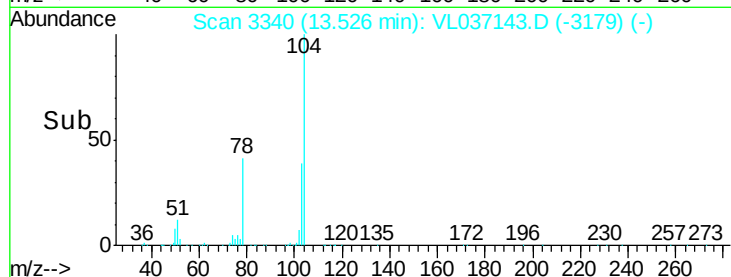
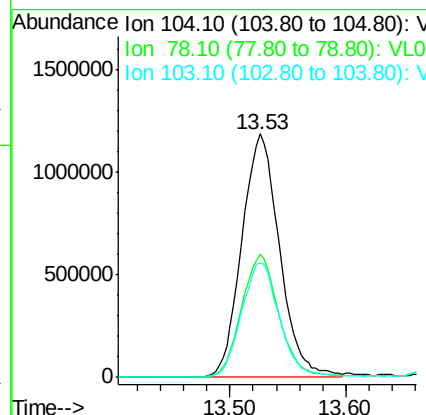
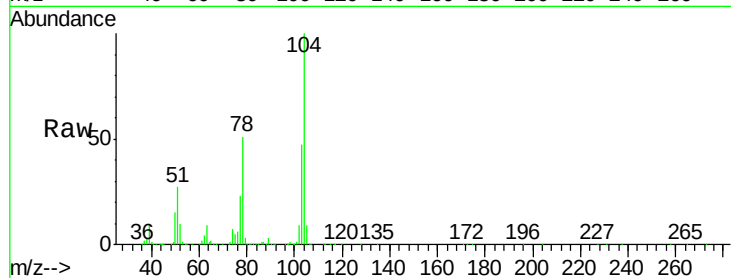
#61
Stvrene
Concen: 11.530 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	39.0	58.6
103	48.1	38.0	57.0

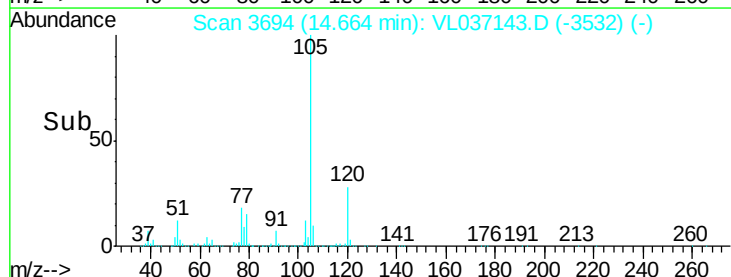
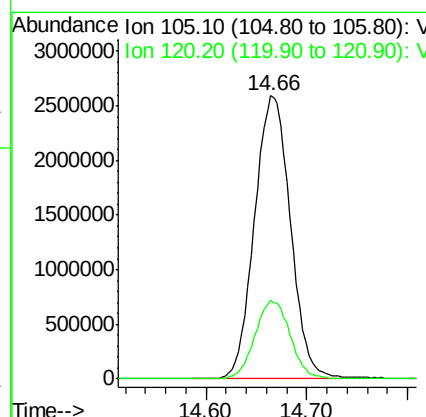
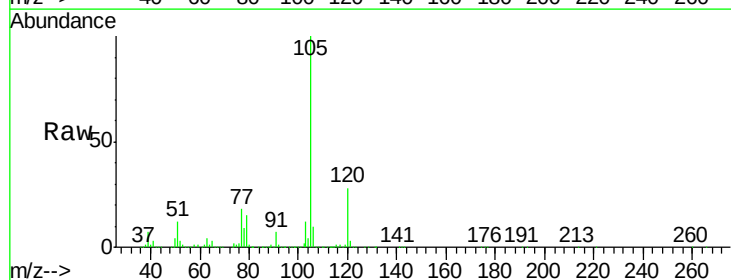
Manual Integrations
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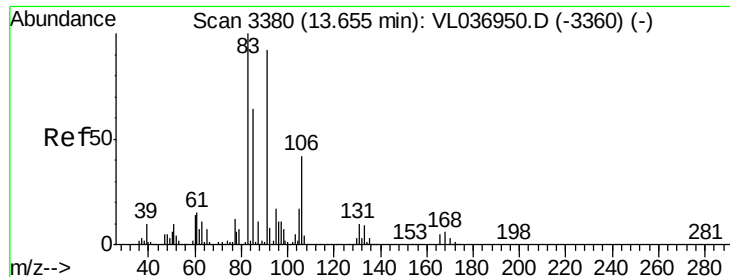
MMDadoda
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#62
Isopropylbenzene
Concen: 10.752 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 10.019 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3101140

Ion Ratio Lower Upper

83 100

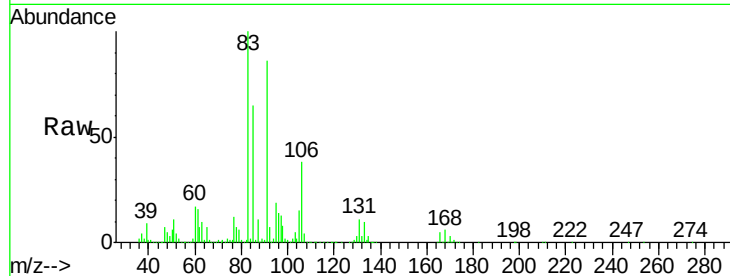
131 11.1 5.0 15.0

85 66.6 32.9 98.6

Manual Integrations
APPROVED

MMDadoda

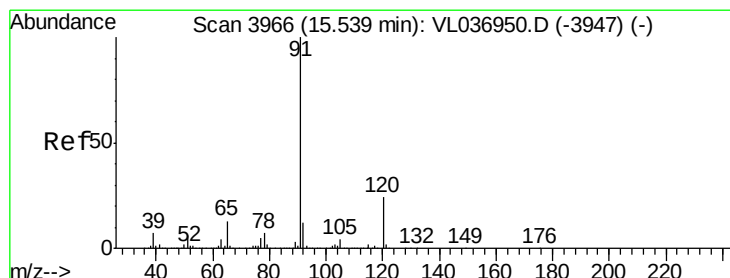
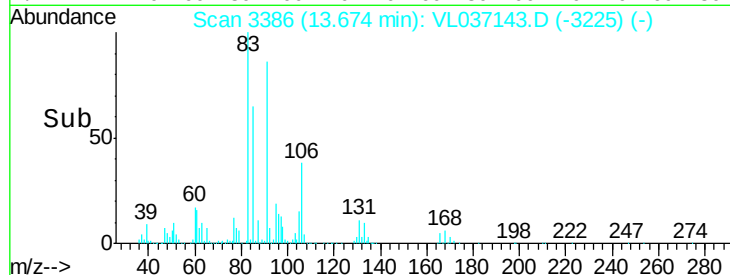
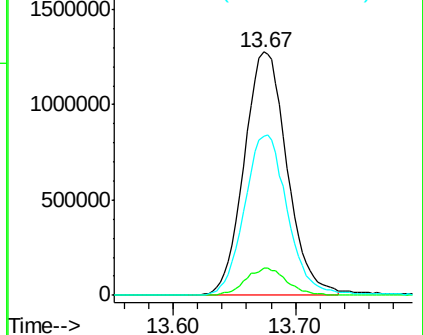
6/9/2021 4:24:05 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.378 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.02 min

Lab File: VL037143.D

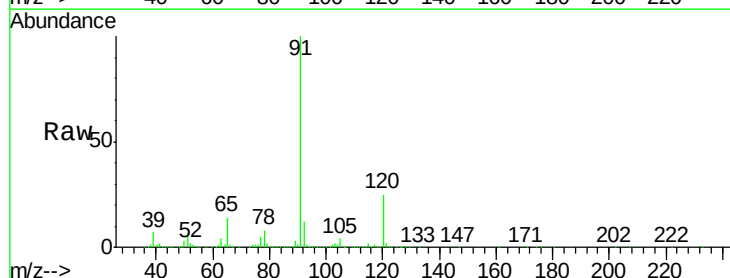
Acq: 8 Jun 2021 22:15

Tgt Ion:120 Resp: 1748525

Ion Ratio Lower Upper

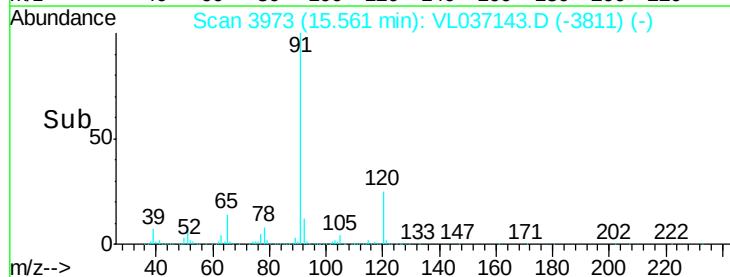
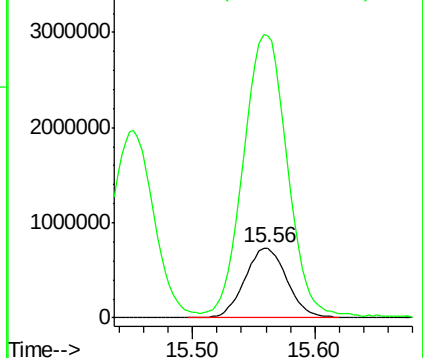
120 100

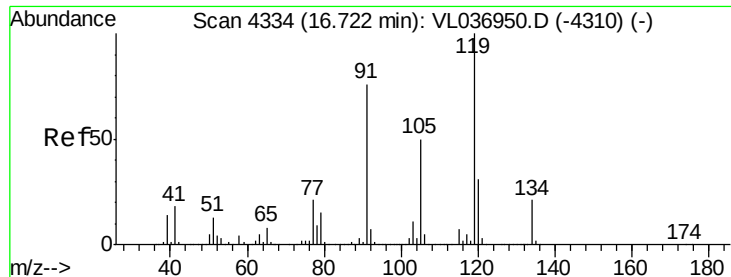
91 428.2 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





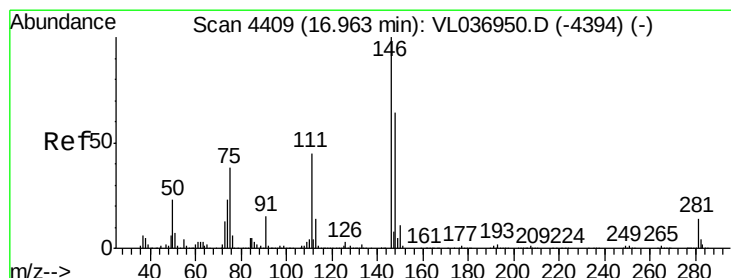
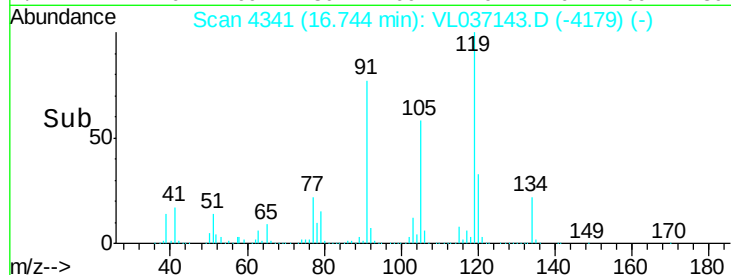
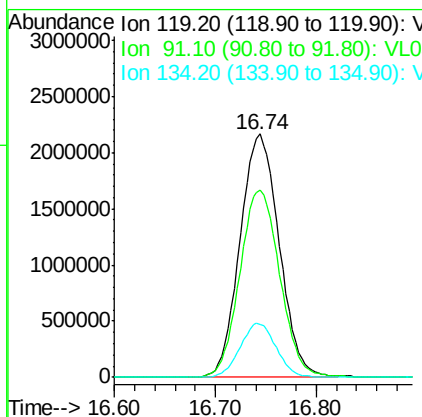
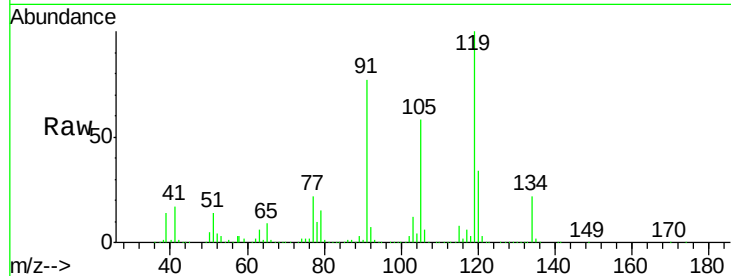
#65
 tert-Butylbenzene
 Concen: 10.856 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 5834498
 Ion Ratio Lower Upper
 119 100
 91 78.7 61.9 92.9
 134 20.6 16.2 24.4

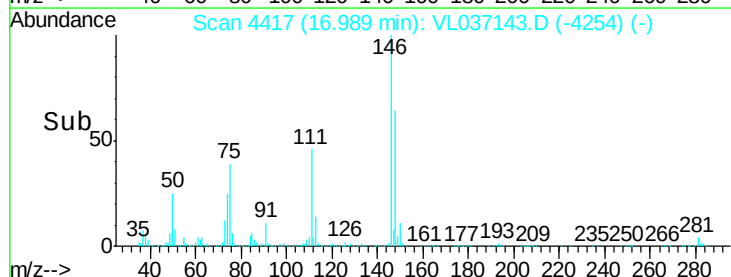
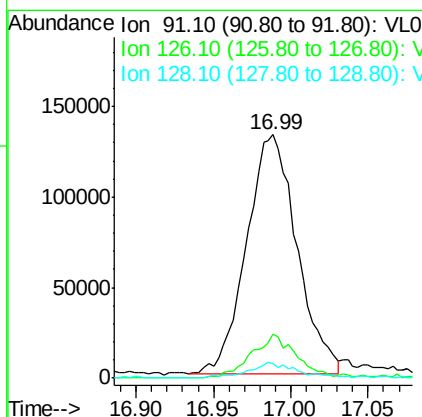
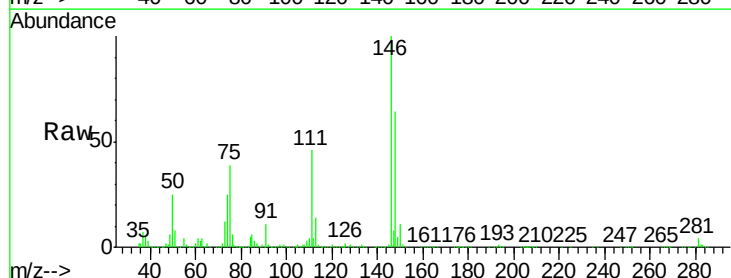
Manual Integrations
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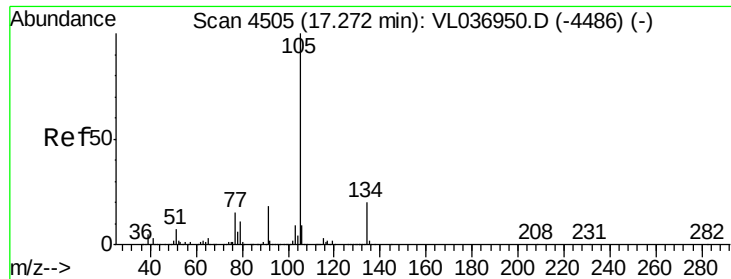
MMDadoda
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#66
 Benzyl Chloride
 Concen: 10.078 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.03 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 91 Resp: 300546
 Ion Ratio Lower Upper
 91 100
 126 17.4 16.5 24.7
 128 6.8 5.5 8.3





#67

sec-Butylbenzene

Concen: 10.611 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 7780036

Ion Ratio Lower Upper

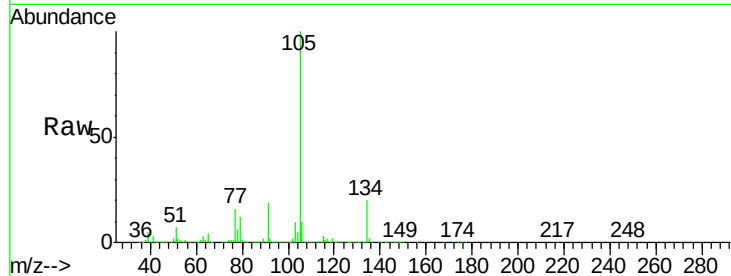
105 100

134 19.9 15.6 23.4

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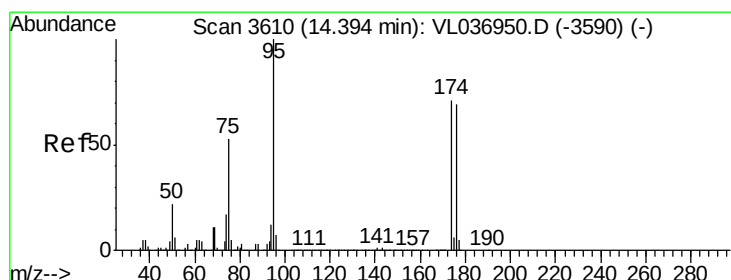
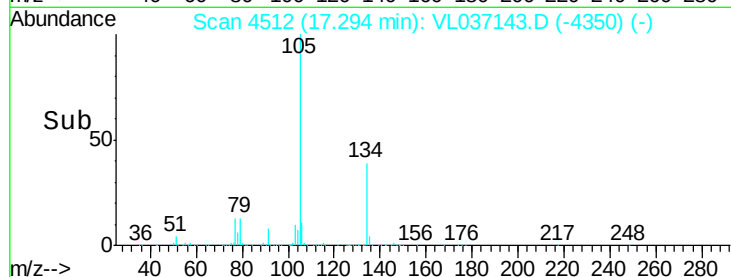
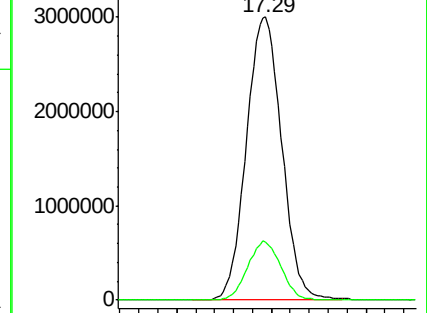
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.673 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

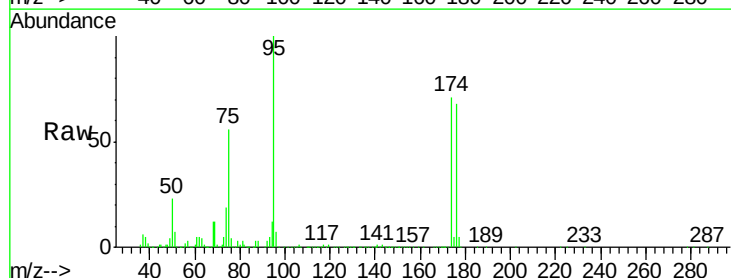
Tgt Ion: 95 Resp: 2986373

Ion Ratio Lower Upper

95 100

174 71.5 58.4 87.6

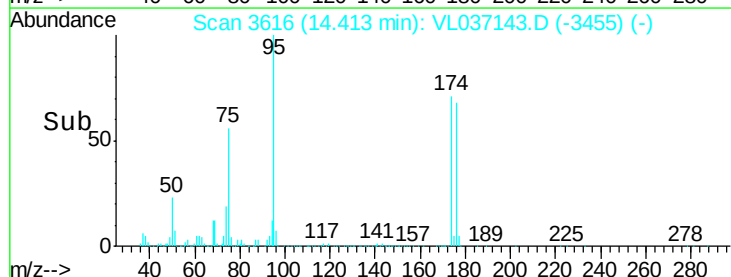
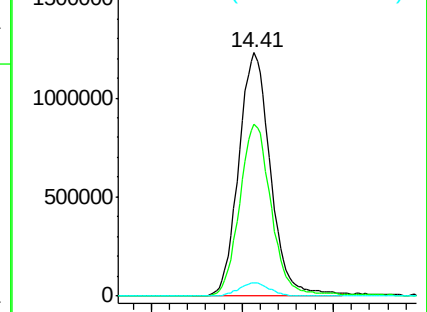
175 5.4 4.4 6.6

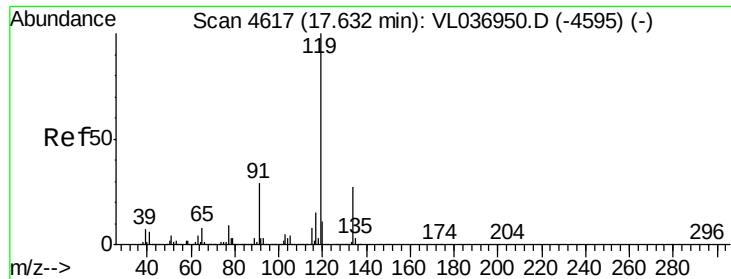


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





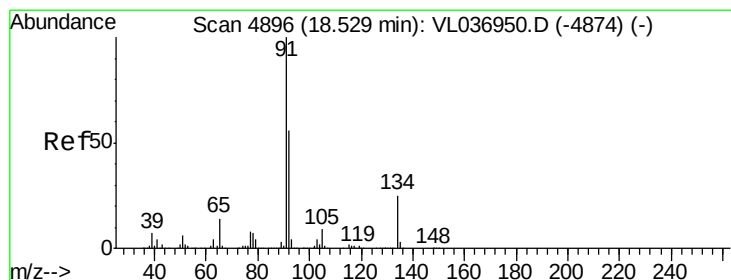
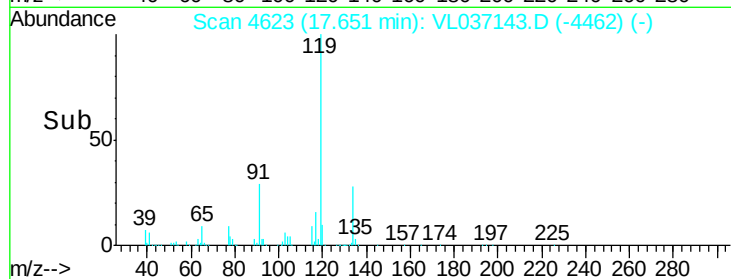
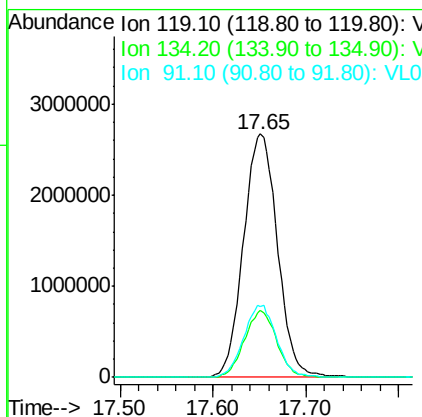
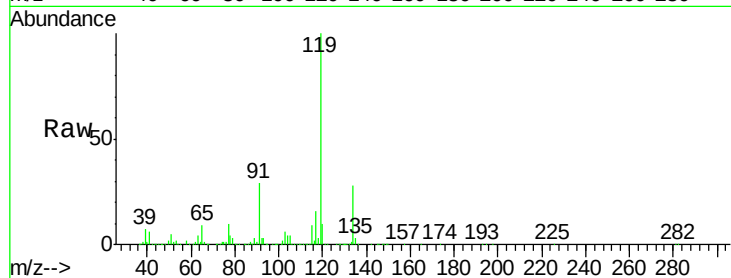
#69
 p-Isopropyltoluene
 Concen: 10.757 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	28.6	22.2	33.4

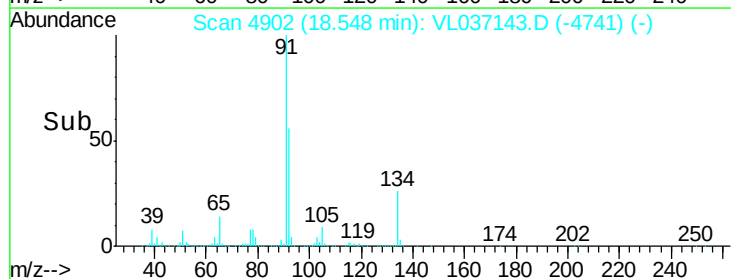
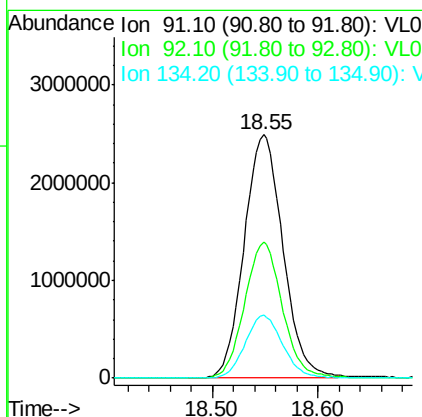
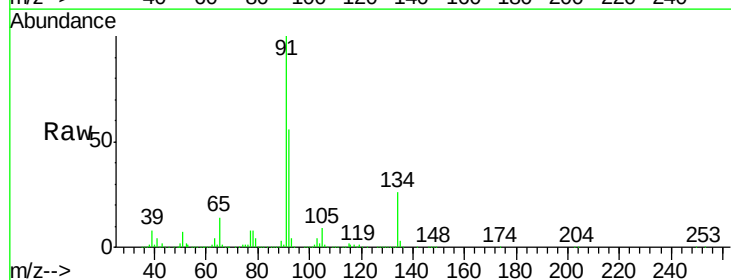
Manual Integrations
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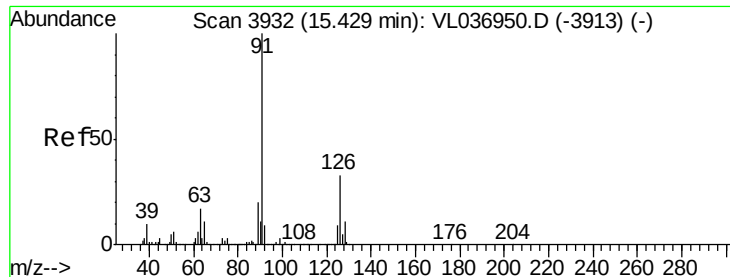
MMDadoda
 6/9/2021 4:24:05 PM



#70
 n-Butylbenzene
 Concen: 10.633 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.6	66.8
134	25.3	20.2	30.2





#71

2-Chlorotoluene

Concen: 11.006 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4734876

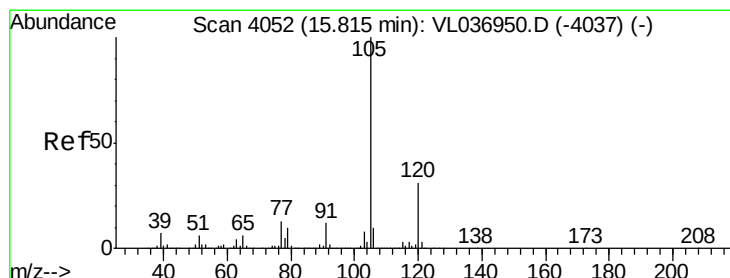
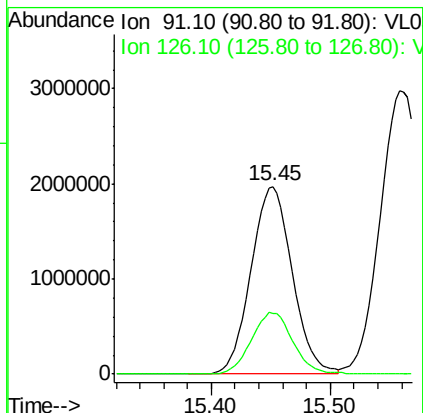
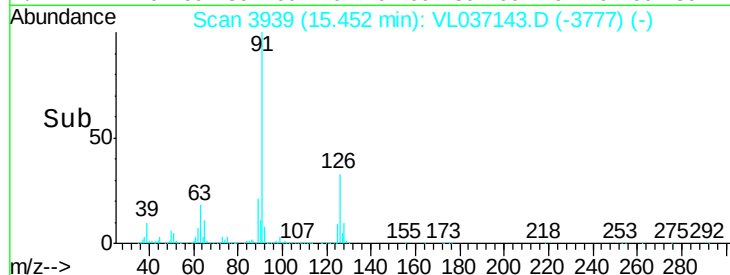
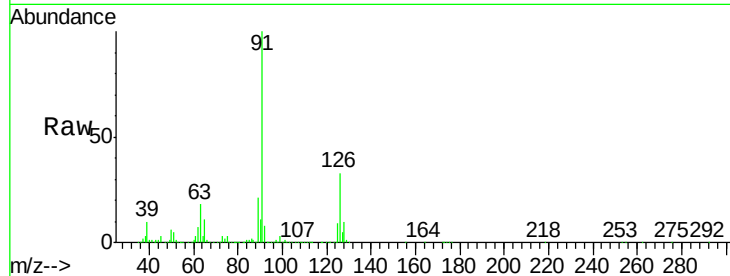
Ion Ratio Lower Upper

91 100

126 33.5 13.1 52.5

Manual Integrations
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#72

4-Ethyltoluene

Concen: 11.287 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion: 105 Resp: 5551721

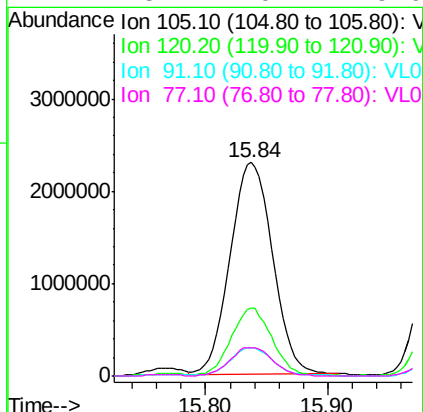
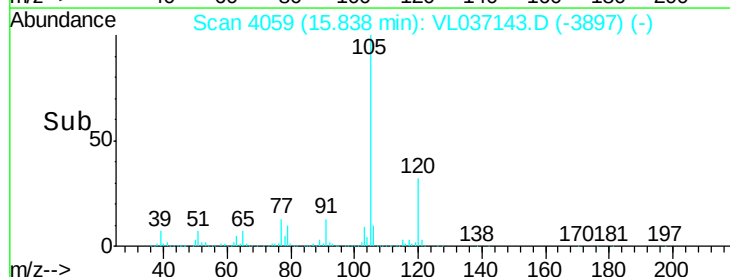
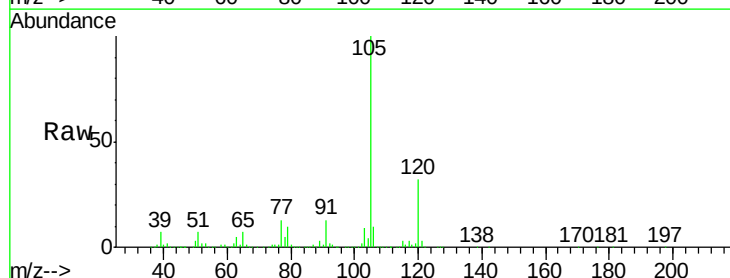
Ion Ratio Lower Upper

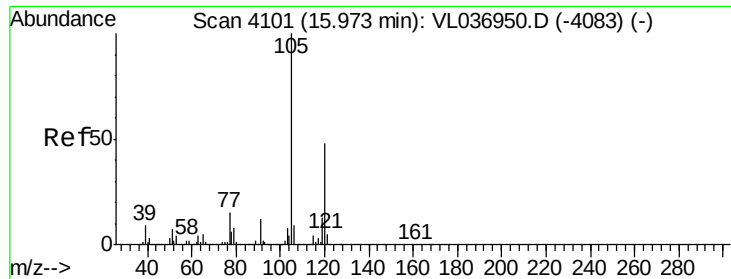
105 100

120 31.1 24.6 37.0

91 13.2 9.8 14.6

77 13.7 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 11.014 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5087404

Ion Ratio Lower Upper

105 100

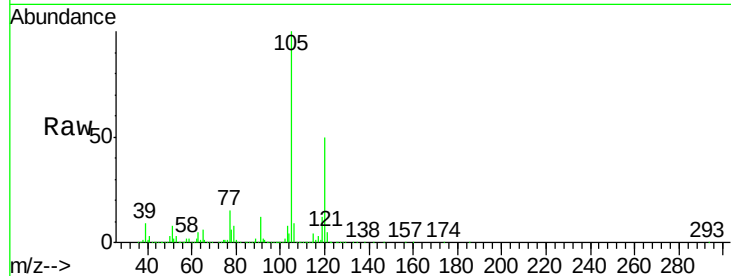
120 49.7 38.6 58.0

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

2500000

2000000

1500000

1000000

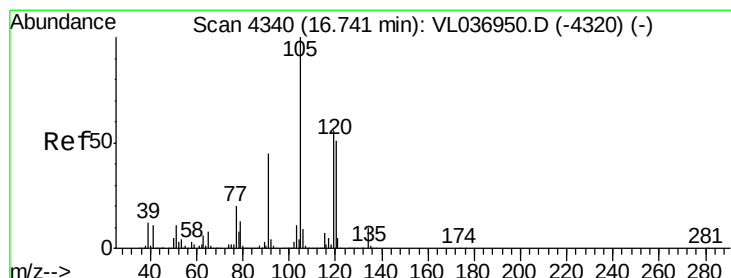
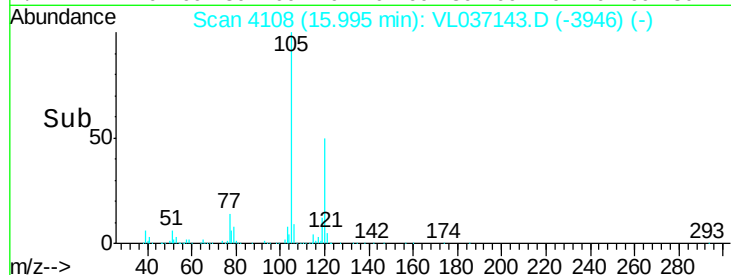
500000

0

15.90

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 11.115 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion:105 Resp: 5308800

Ion Ratio Lower Upper

105 100

120 48.9 40.6 61.0

91 50.7 37.4 56.0

77 22.5 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

2000000

1000000

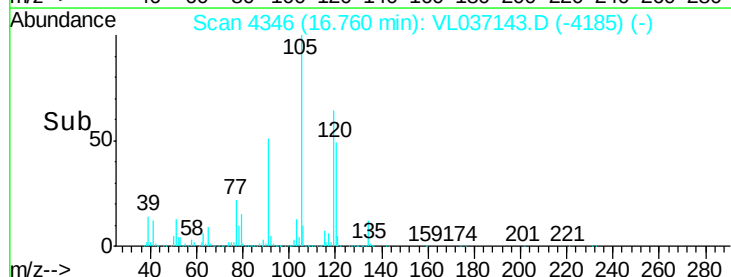
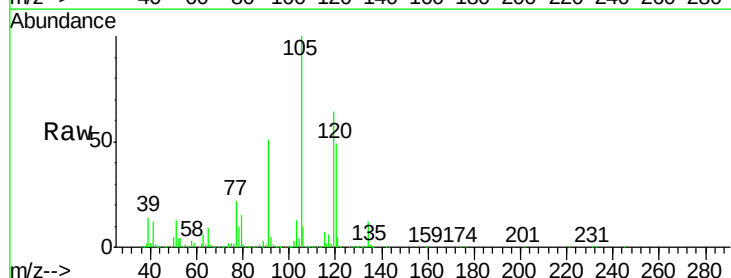
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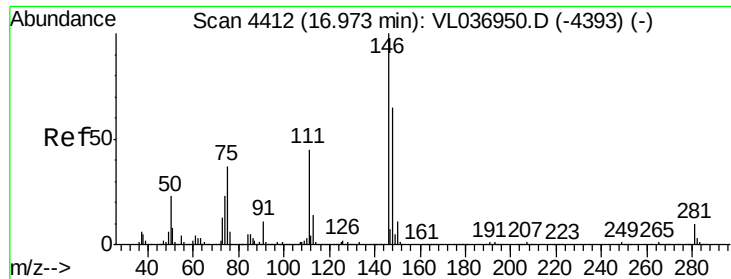
16.60

16.70

16.80

Time-->





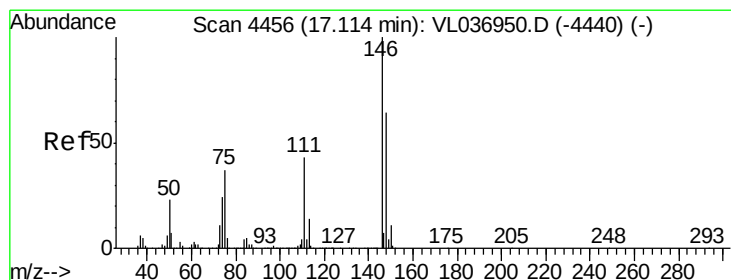
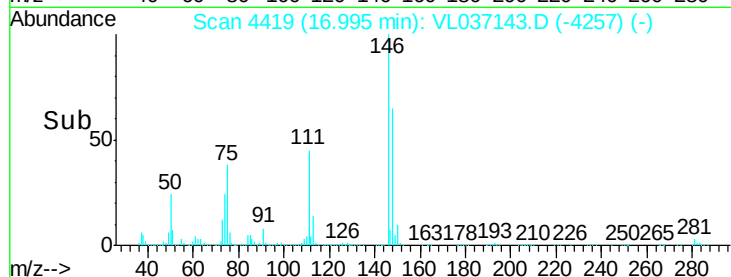
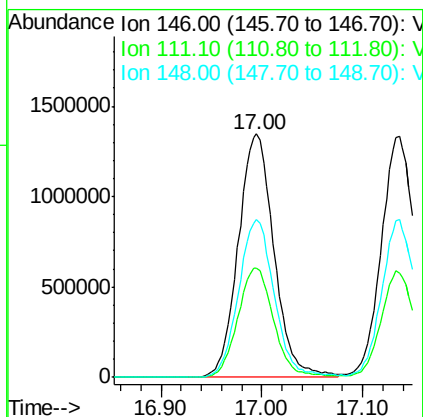
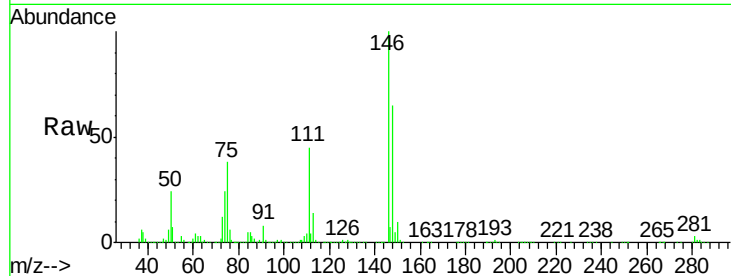
#75
 1,3-Dichlorobenzene
 Concen: 11.316 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3300195
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.2 66.6
 148 65.0 32.3 96.8

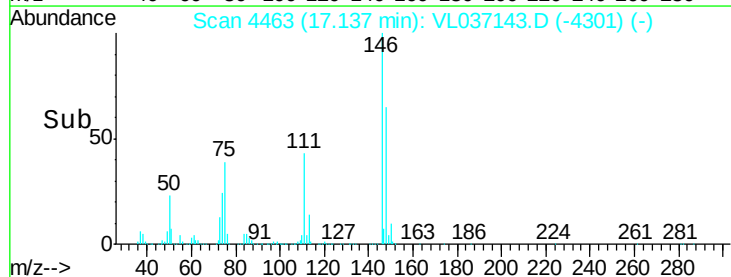
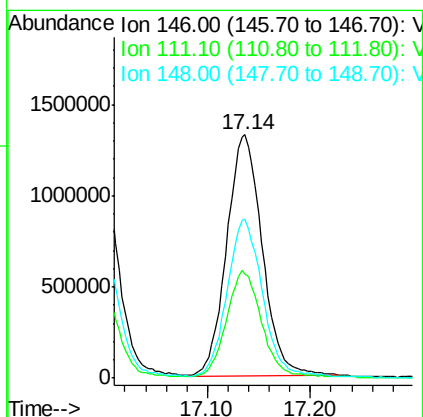
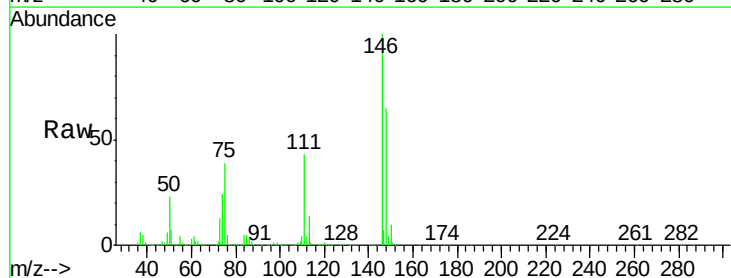
Manual Integrations
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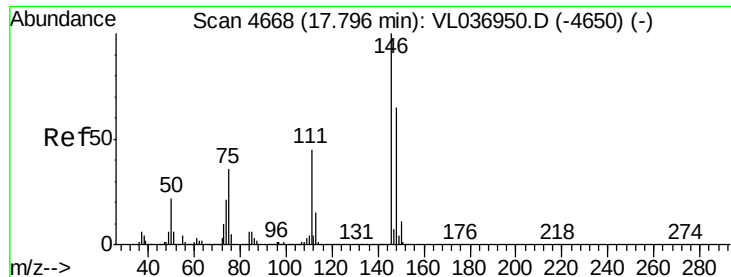
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#76
 1,4-Dichlorobenzene
 Concen: 10.823 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion:146 Resp: 3191368
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.6 67.7
 148 66.2 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 10.721 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3133072

Ion Ratio Lower Upper

146 100

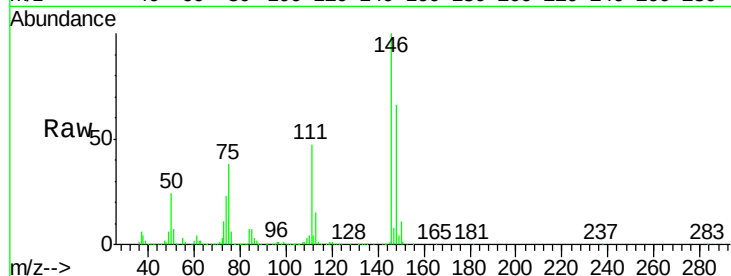
111 47.1 23.1 69.2

148 66.3 32.5 97.4

Manual Integrations
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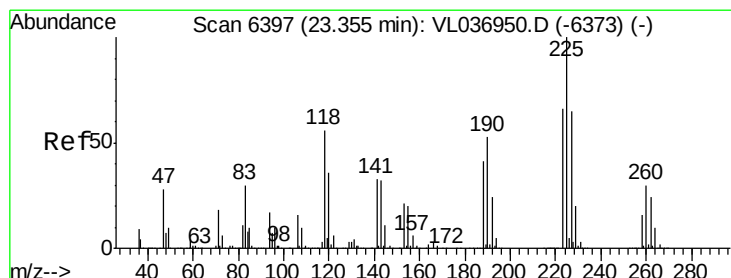
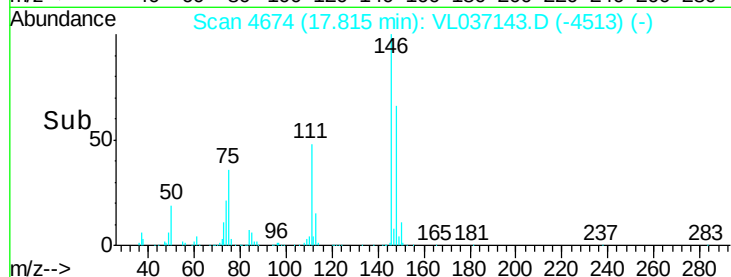
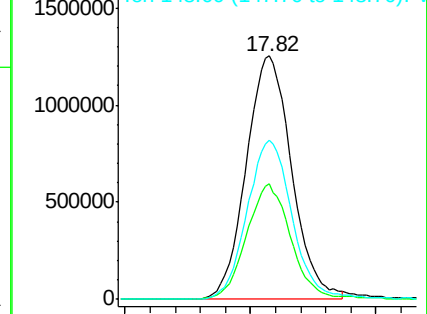
6/9/2021 4:24:05 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.679 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

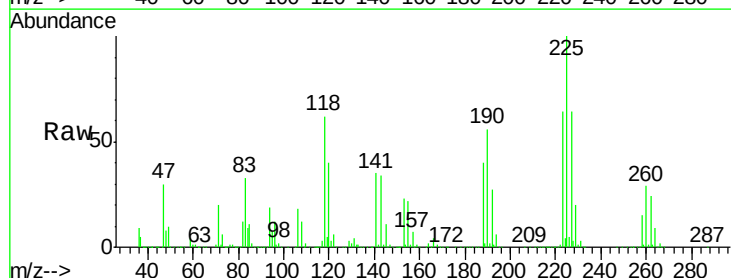
Tgt Ion:225 Resp: 2039492

Ion Ratio Lower Upper

225 100

223 64.2 51.9 77.9

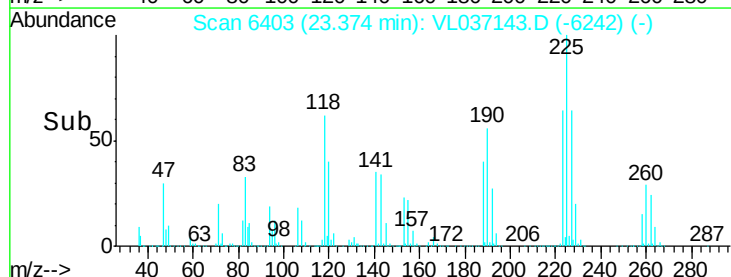
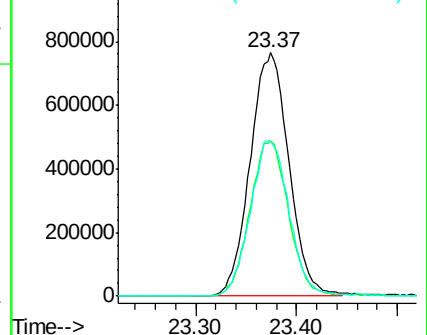
227 64.7 51.8 77.6

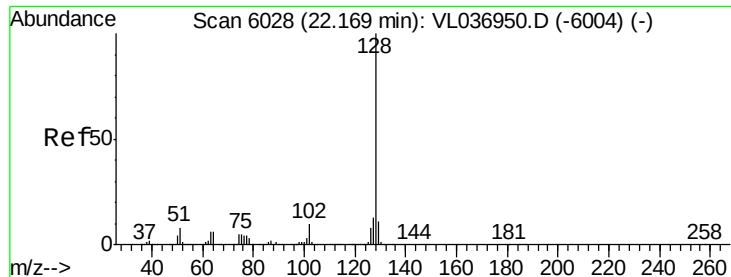


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





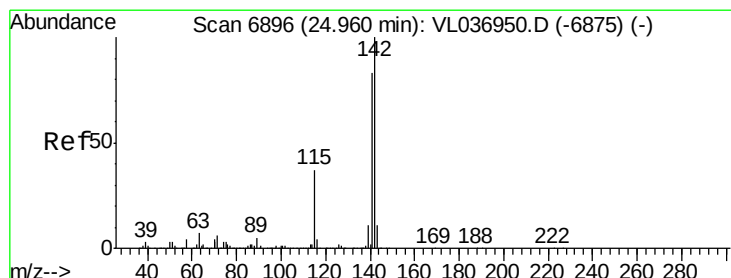
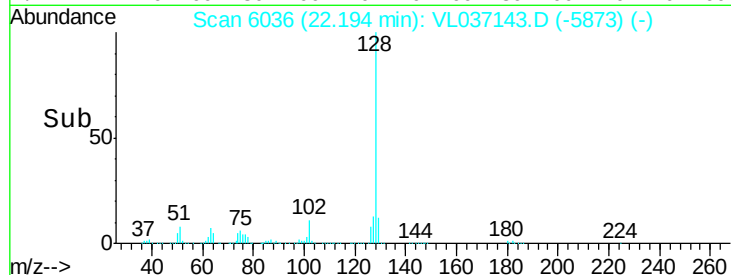
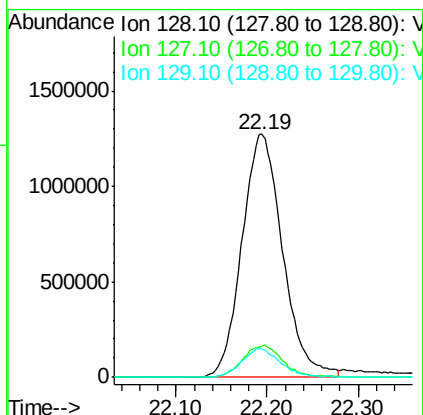
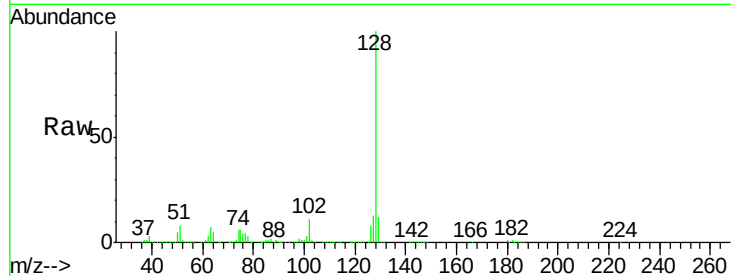
#79
Naphthalene
Concen: 10.520 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.7	9.0	13.6

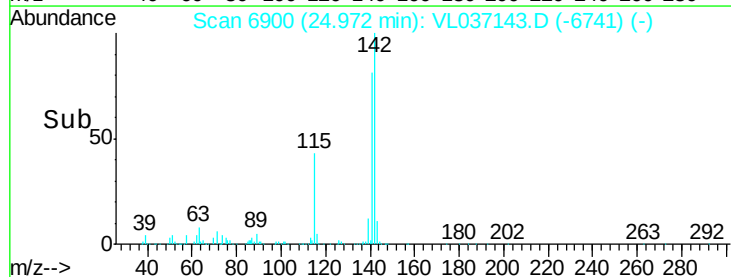
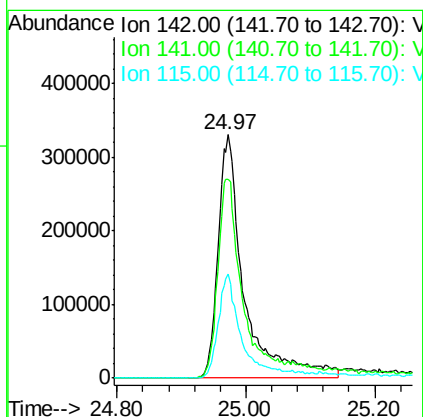
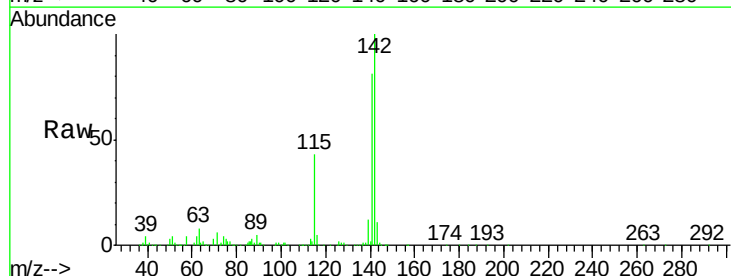
Manual Integrations
APPROVED

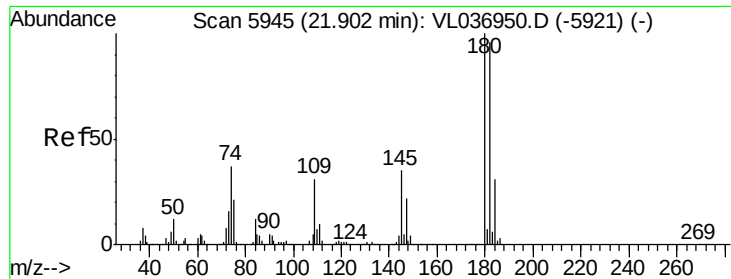
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6/9/2021 4:24:05 PM



#80
Naphthalene, 2-methyl-
Concen: 11.489 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.5	69.3	103.9
115	38.4	29.1	43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.019 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	81.7	122.5
184	31.2	24.9	37.3

Manual Integrations
 APPROVED

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 6/9/2021 4:24:05 PM

