

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037277.D
 Acq On : 2 Jul 2021 16:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/6/2021 6:44:38 PM

Quant Time: Jul 03 08:08:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1318245	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3860058	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3689854m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2852886	10.20	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1767736	7.711 ppbv	100
3) Chlorodifluoromethane	3.00	51	2289651	8.932 ppbv	98
4) Chloromethane	3.15	50	775381	9.077 ppbv	98
5) Vinyl Chloride	3.27	62	829957	8.840 ppbv	97
6) Bromomethane	3.48	94	471808	8.423 ppbv	96
7) Chloroethane	3.57	64	310438	9.250 ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2121866	9.022 ppbv	98
9) Propene	3.02	41	709662	8.659 ppbv	99
10) Heptane	8.14	43	1877492	9.459 ppbv	99
11) Trichlorofluoromethane	3.96	101	2371489	9.694 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1698406	9.849 ppbv	100
13) Ethanol	3.62	45	104623m	8.252 ppbv	
14) Bromoethene	3.75	108	678930	9.433 ppbv	99
15) Acetone	3.86	43	1188567	7.995 ppbv	96
16) 1,3-Butadiene	3.34	39	851302	9.687 ppbv	97
17) tert-Butyl alcohol	4.30	59	1395904	10.160 ppbv	99
18) 1,1-Dichloroethene	4.30	96	727859	9.525 ppbv	97
19) Isopropyl Alcohol	3.98	45	832492	9.246 ppbv	100
20) Methylene Chloride	4.36	84	639806	7.189 ppbv	98
21) Allyl Chloride	4.43	41	1058511	9.447 ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	764785	10.114 ppbv	99
23) Vinyl Acetate	5.09	43	1823327	8.554 ppbv	98
24) 1,1-Dichloroethane	5.03	63	1561160	9.097 ppbv	100
25) Ethyl Acetate	5.69	43	2965468	9.215 ppbv	99
26) Hexane	5.70	57	1410417	8.671 ppbv	99
27) Carbon Disulfide	4.56	76	1743729	10.942 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1584877	8.105 ppbv	99
29) Chloroform	5.77	83	2354184	9.370 ppbv	97
30) Cyclohexane	7.15	84	1229523	9.072 ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1409200	9.428 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2437922	9.067 ppbv	99
34) 2-Butanone	5.26	43	1358479	9.049 ppbv	98
35) Carbon Tetrachloride	7.04	117	2662538	10.284 ppbv	98
36) Benzene	6.91	78	2897417	9.283 ppbv	99
37) 1,2-Dichloroethane	6.33	62	1768232	9.752 ppbv	99
38) Trichloroethene	7.86	130	1217125	8.203 ppbv	99
39) 1,2-Dichloropropane	7.64	63	1091986	9.415 ppbv	97
40) 1,4-Dioxane	7.86	88	249596	7.847 ppbv	# 1
41) Tetrahydrofuran	6.07	42	654281	9.383 ppbv	97
42) Bromodichloromethane	7.82	83	2552147	10.202 ppbv	100
43) Methyl Methacrylate	8.03	69	1052823	9.767 ppbv	97

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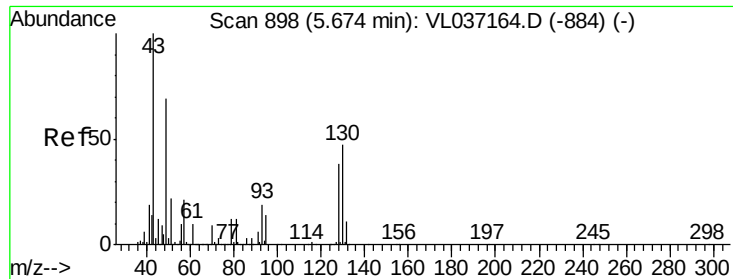
MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	4850173	9.228	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	764528	8.039	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	986502	7.582	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1243054	9.394	ppbv	99
48) Dibromochloromethane	10.33	129	2263418	10.836	ppbv	99
49) Bromoform	13.07	173	1792613	11.519	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2123874	10.300	ppbv	99
51) 2-Hexanone	10.16	43	1074813	10.713	ppbv #	98
52) Tetrachloroethene	11.25	164	1181696	8.147	ppbv	95
53) Toluene	9.83	91	3469486	9.305	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1854125	9.750	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1544141	9.572	ppbv	100
57) Chlorobenzene	12.17	112	2672122	8.930	ppbv	98
58) Ethyl Benzene	12.73	91	4700100	9.253	ppbv	99
59) m/p-Xylene	13.02	91	7999057m	18.582	ppbv	
60) o-Xylene	13.72	91	3825222	9.332	ppbv	99
61) Styrene	13.55	104	2102218	9.937	ppbv	98
62) Isopropylbenzene	14.69	105	5345441	9.171	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2550530	9.345	ppbv	100
64) n-propylbenzene	15.58	120	1392741	9.542	ppbv	91
65) tert-Butylbenzene	16.77	119	4820091	9.324	ppbv	98
66) Benzyl Chloride	17.02	91	186561	8.516	ppbv	95
67) sec-Butylbenzene	17.32	105	6487438	9.411	ppbv	99
69) p-Isopropyltoluene	17.68	119	5604574	9.626	ppbv	99
70) n-Butylbenzene	18.57	91	5332888	9.896	ppbv	98
71) 2-Chlorotoluene	15.48	91	3865361	9.486	ppbv	98
72) 4-Ethyltoluene	15.86	105	4633992	9.952	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4193987	9.318	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4388027	9.462	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2615280	9.275	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	2509014	8.908	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2512948	9.212	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1661904	7.086	ppbv	100
79) Naphthalene	22.23	128	3153963	8.157	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	817038	8.057	ppbv	94
81) 1,2,4-Trichlorobenzene	21.96	180	1824251	8.176	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

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VSTDCCC010EC

Tot Ion: 49 Resp: 1318245

Ion Ratio Lower Upper

49 100

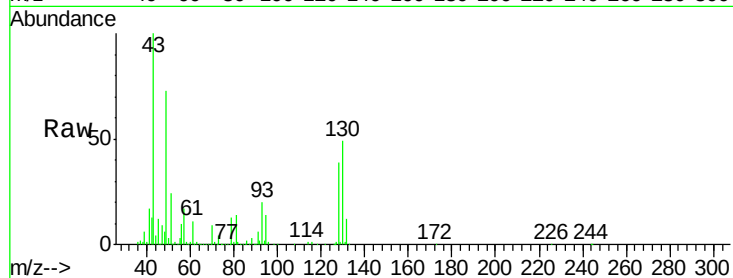
128 57.6 29.3 88.0

130 71.2 35.9 107.8

Manual Integrations
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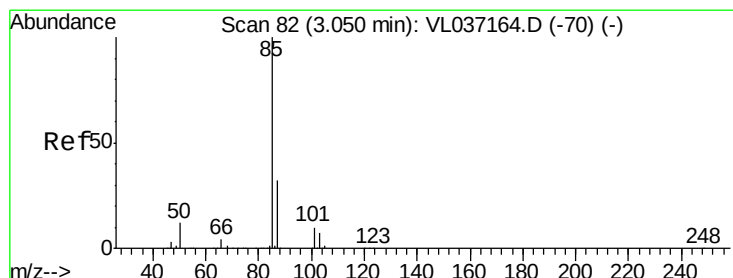
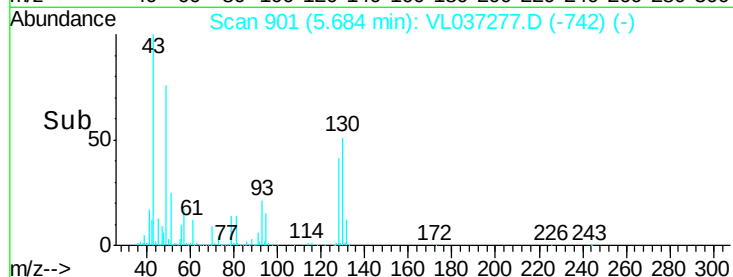
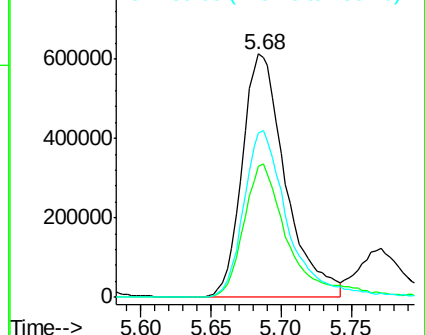
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.711 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037277.D

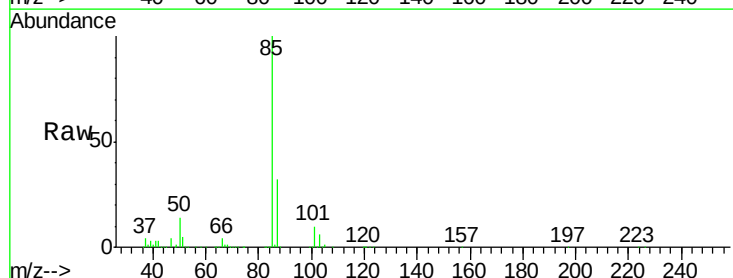
Acq: 2 Jul 2021 16:29

Tgt Ion: 85 Resp: 1767736

Ion Ratio Lower Upper

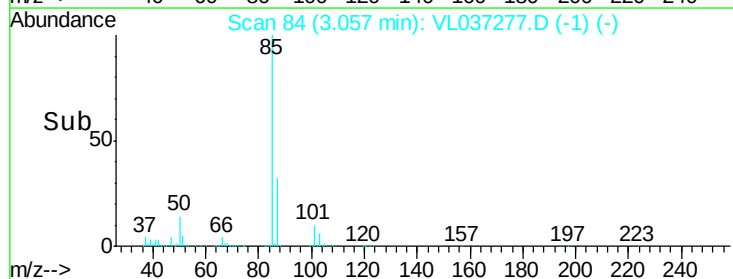
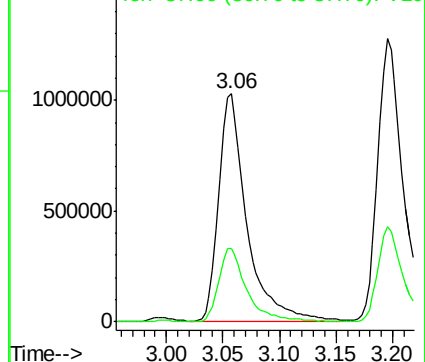
85 100

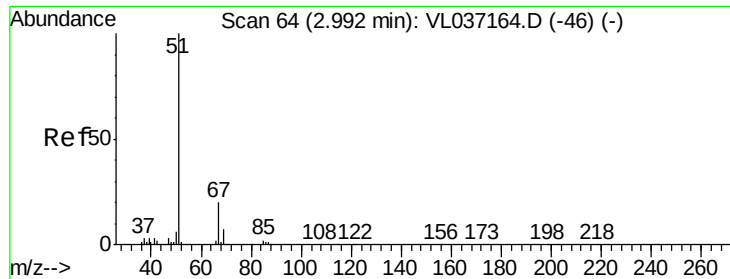
87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.932 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Tot Ion: 51 Resp: 2289651

Ion Ratio Lower Upper

51 100

67 20.5 15.8 23.6

Instrument :

MSVOA_L

ClientSampleId :

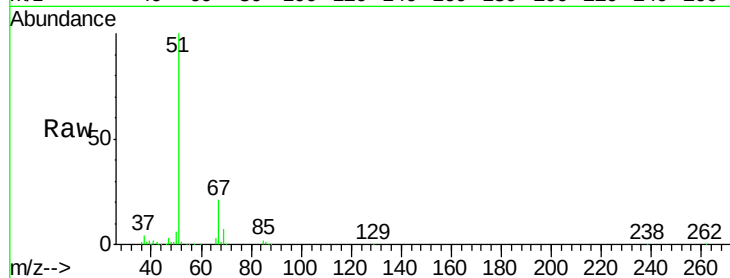
VSTDCCC010EC

Manual Integrations

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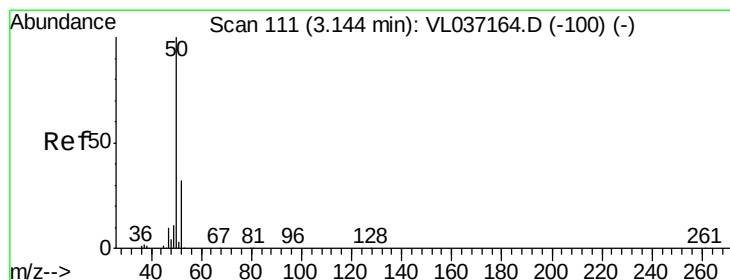
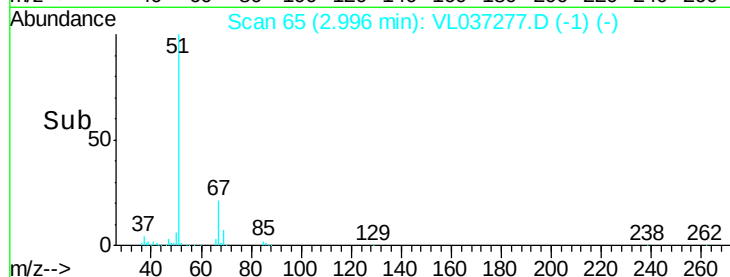
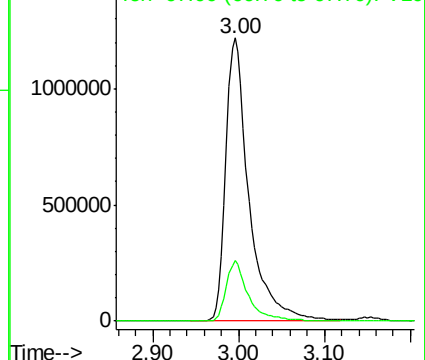
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.077 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037277.D

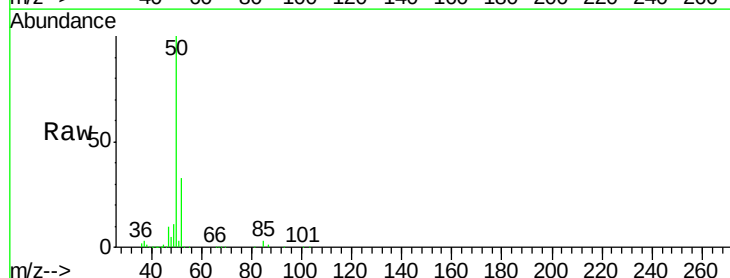
Acq: 2 Jul 2021 16:29

Tgt Ion: 50 Resp: 775381

Ion Ratio Lower Upper

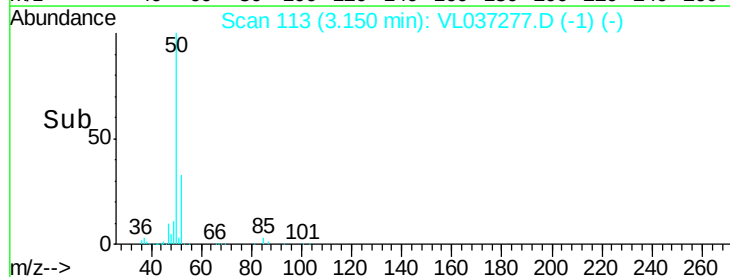
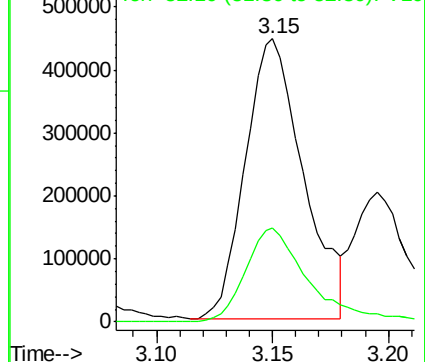
50 100

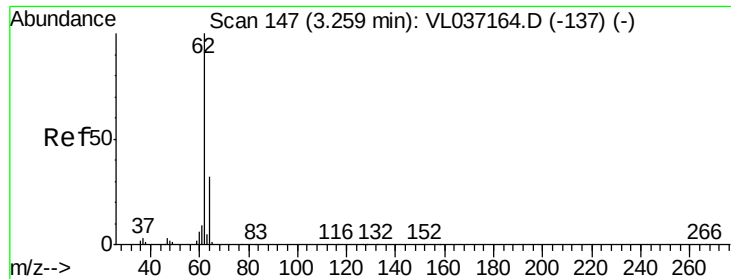
52 33.2 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.840 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 829957

Ion Ratio Lower Upper

62 100

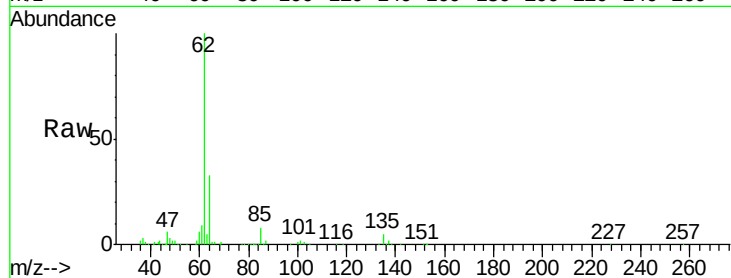
64 33.5 25.6 38.4

Manual Integrations

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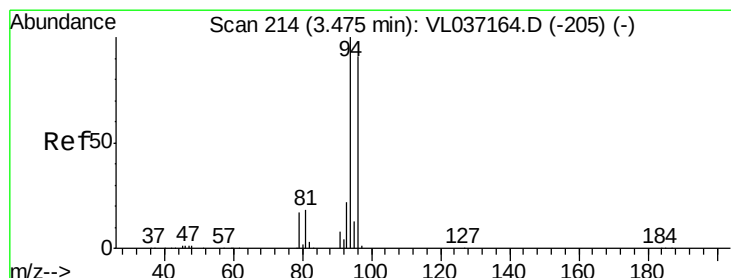
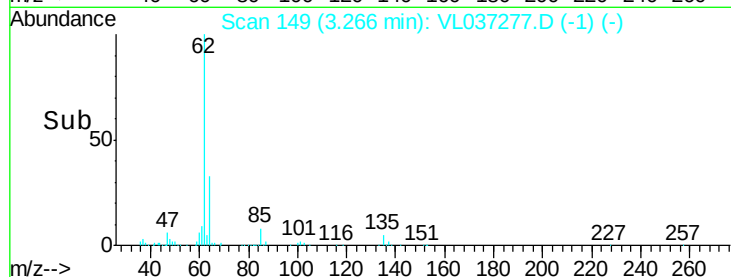
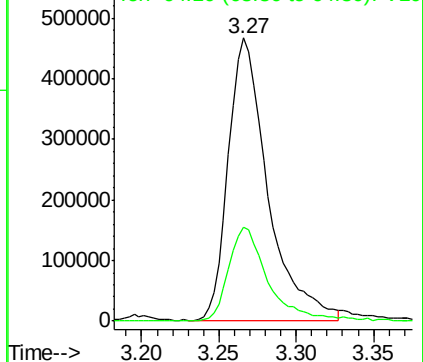
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.423 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037277.D

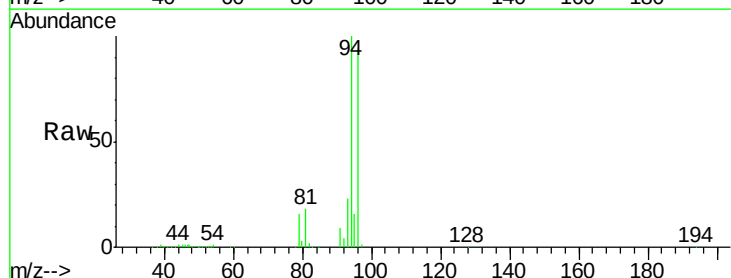
Acq: 2 Jul 2021 16:29

Tgt Ion: 94 Resp: 471808

Ion Ratio Lower Upper

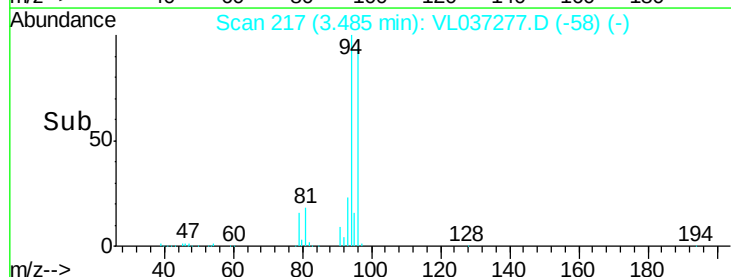
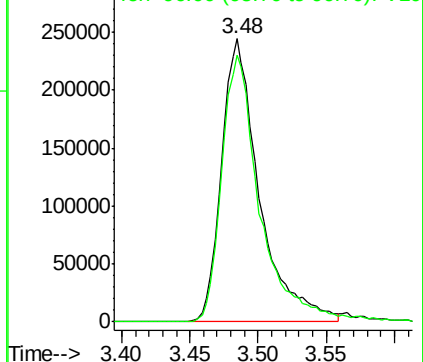
94 100

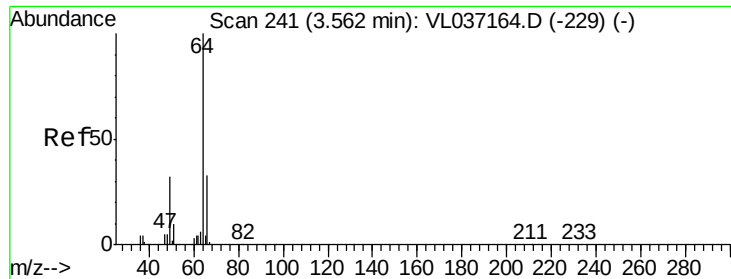
96 94.2 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.250 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 310438

Ion Ratio Lower Upper

64 100

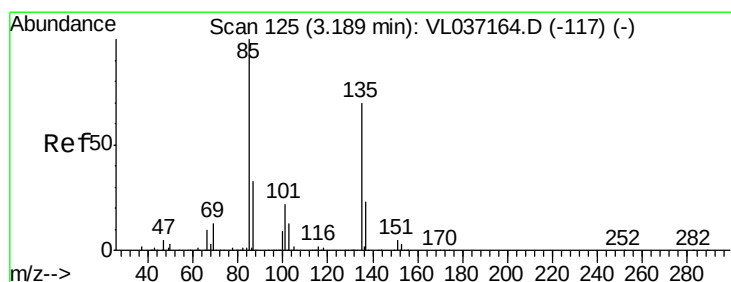
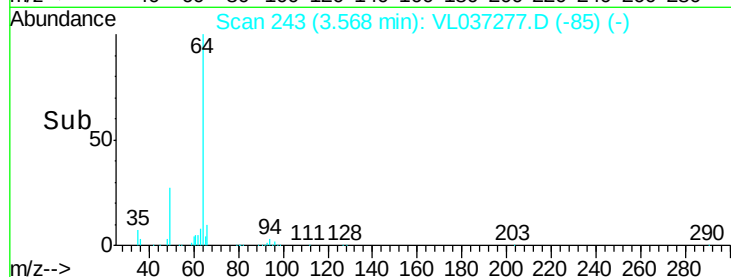
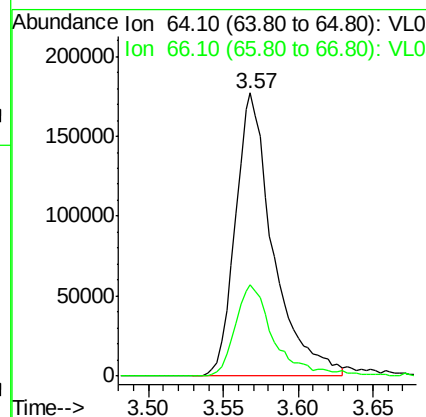
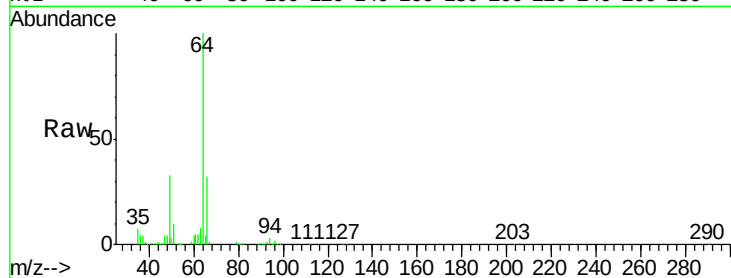
66 32.2 26.2 39.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.022 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL037277.D

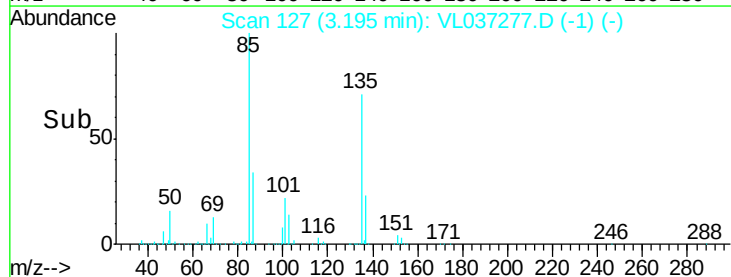
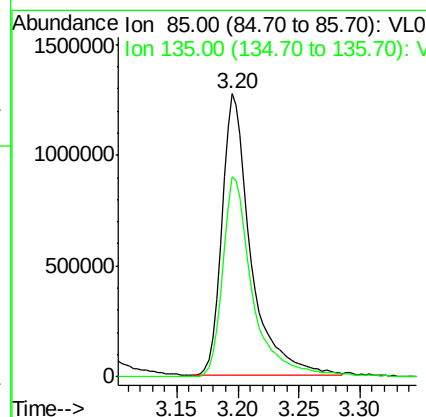
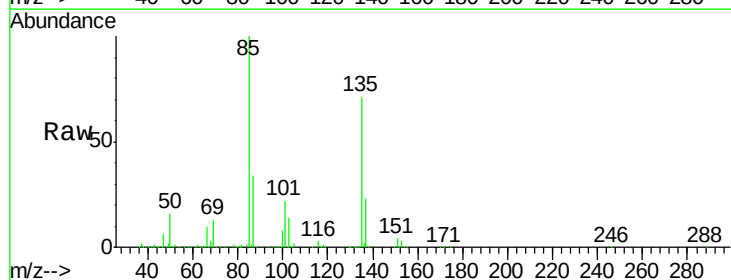
Acq: 2 Jul 2021 16:29

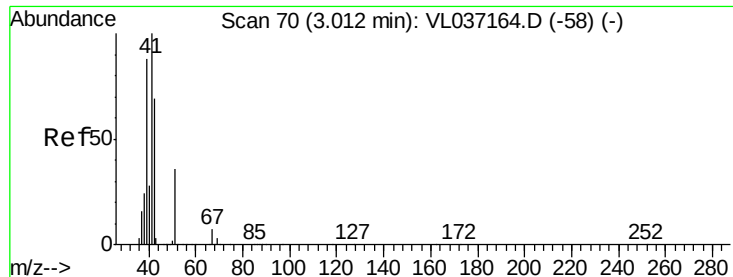
Tgt Ion: 85 Resp: 2121866

Ion Ratio Lower Upper

85 100

135 74.0 60.4 90.6





#9

Propene

Concen: 8.659 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 709662

Ion Ratio Lower Upper

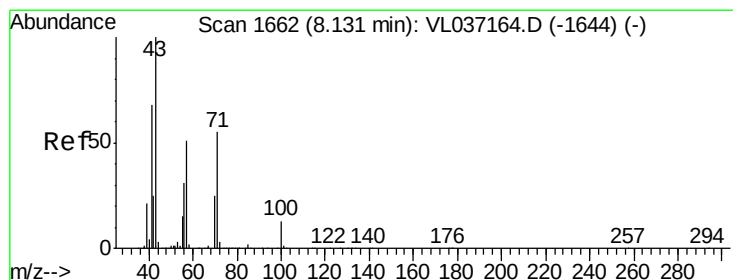
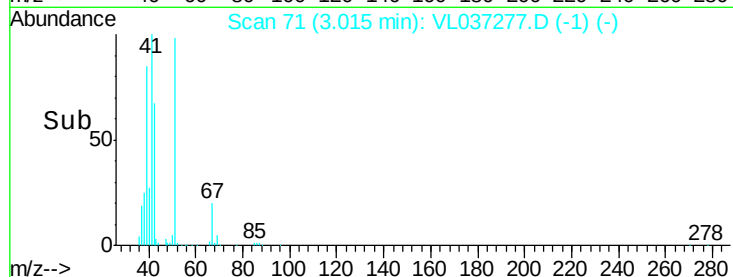
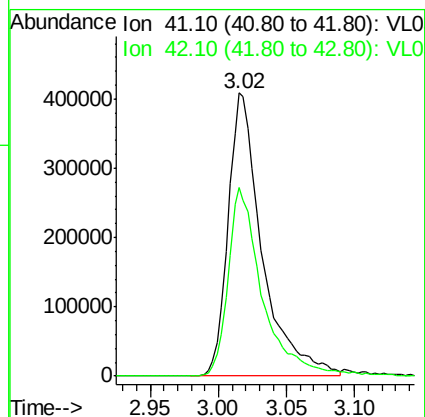
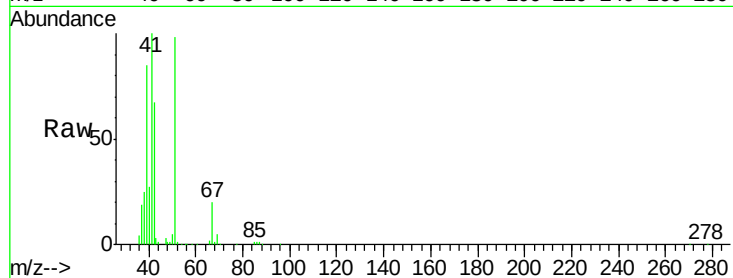
41 100

42 67.4 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 9.459 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL037277.D

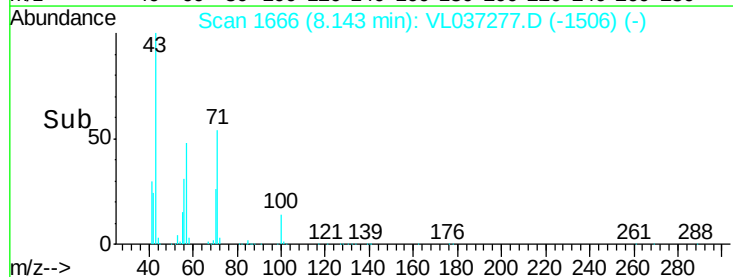
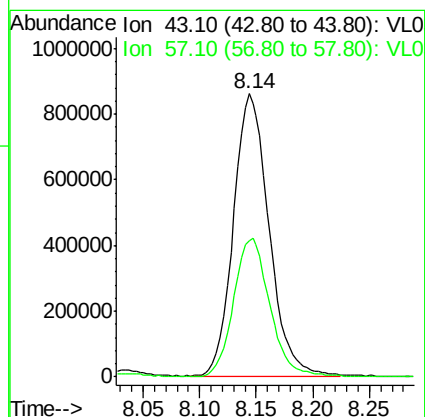
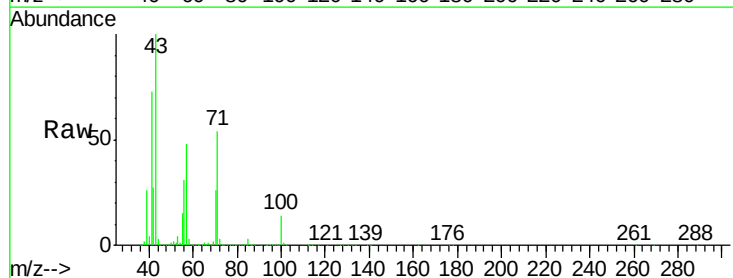
Acq: 2 Jul 2021 16:29

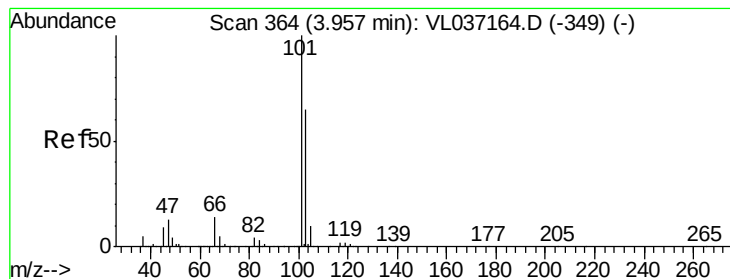
Tgt Ion: 43 Resp: 1877492

Ion Ratio Lower Upper

43 100

57 50.2 40.6 61.0





#11

Trichlorofluoromethane

Concen: 9.694 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2371489

Ion Ratio Lower Upper

101 100

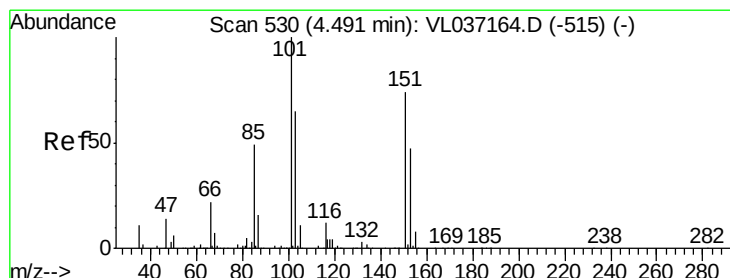
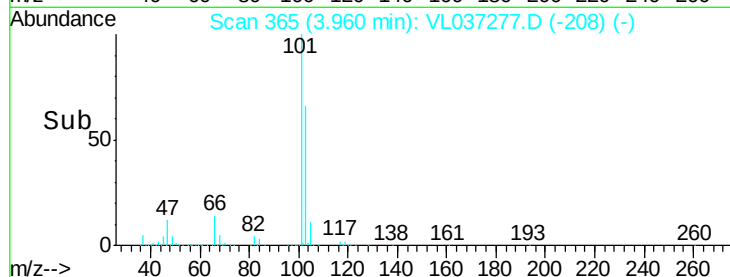
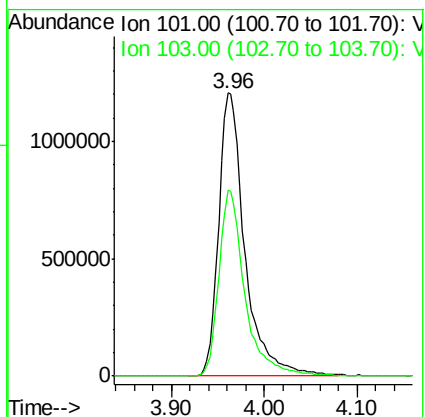
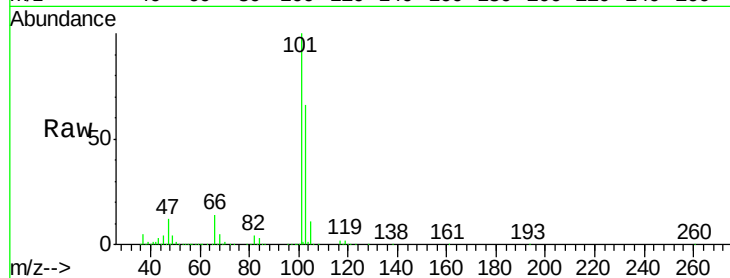
103 65.9 52.2 78.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.849 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037277.D

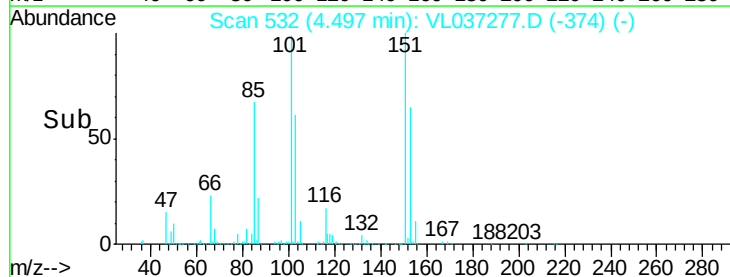
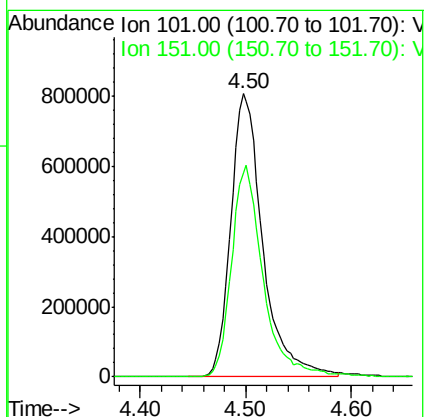
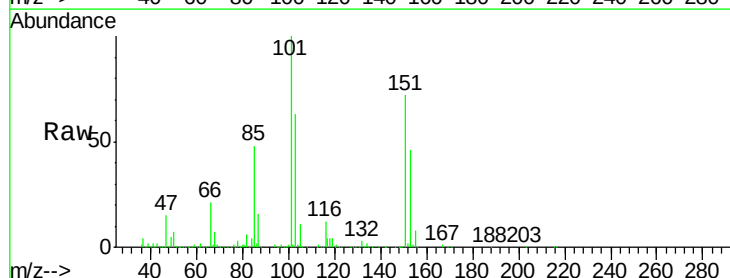
Acq: 2 Jul 2021 16:29

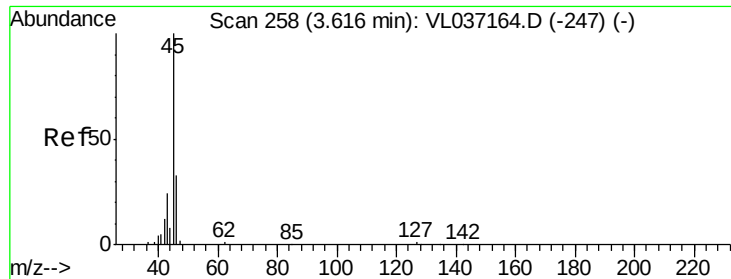
Tgt Ion:101 Resp: 1698406

Ion Ratio Lower Upper

101 100

151 74.0 59.1 88.7





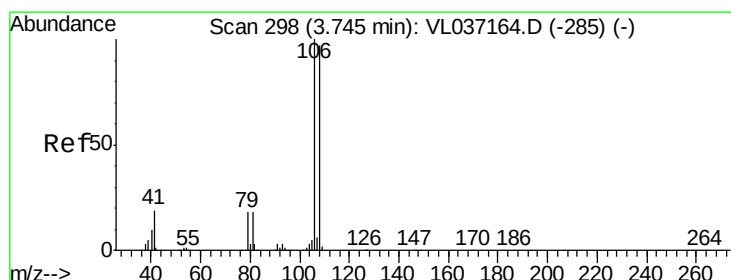
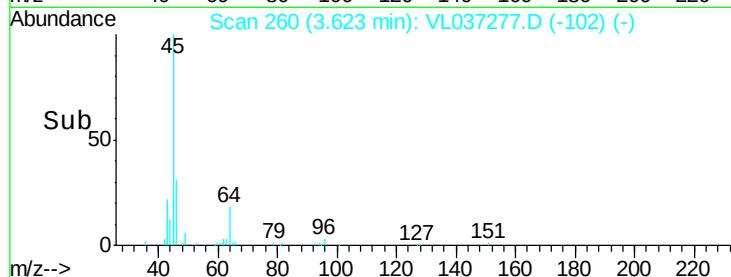
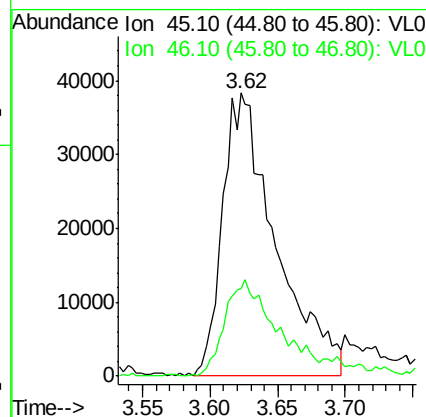
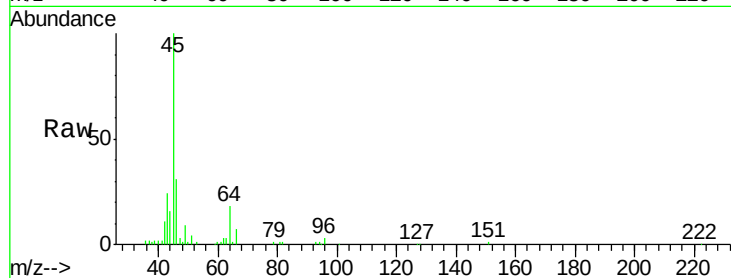
#13
Ethanol
Concen: 8.252 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 104623
Ion Ratio Lower Upper
45 100
46 37.8 34.2 137.0

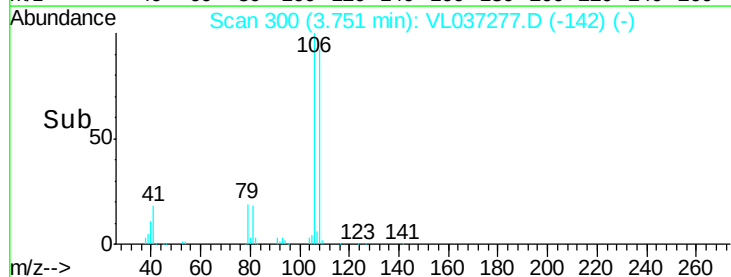
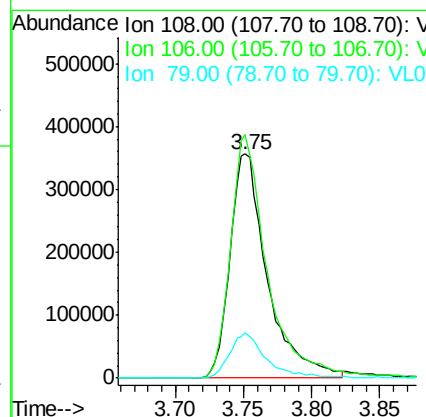
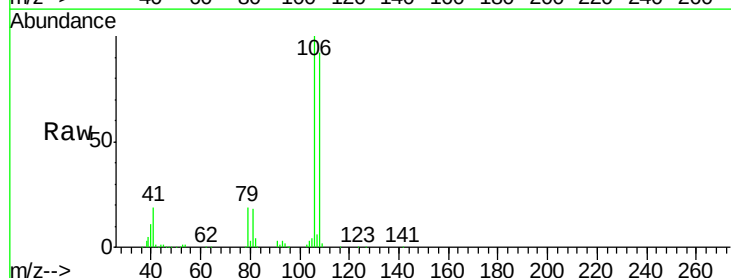
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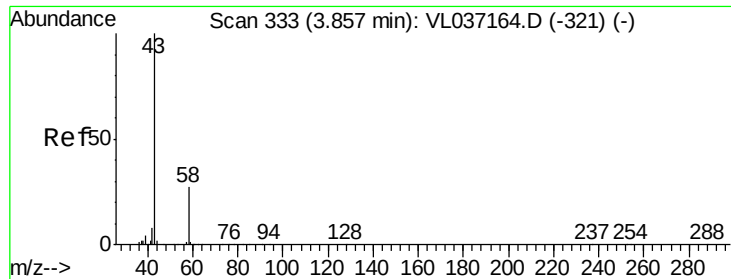
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#14
Bromoethene
Concen: 9.433 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 108 Resp: 678930
Ion Ratio Lower Upper
108 100
106 107.7 86.8 130.2
79 20.4 15.6 23.4





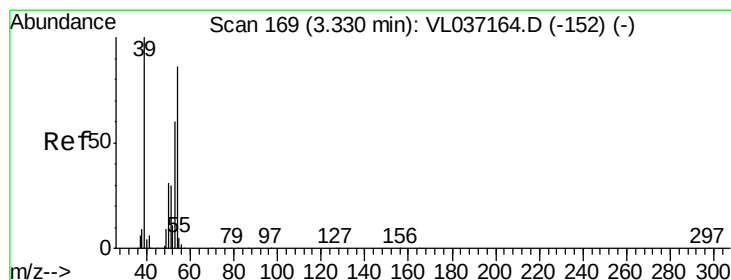
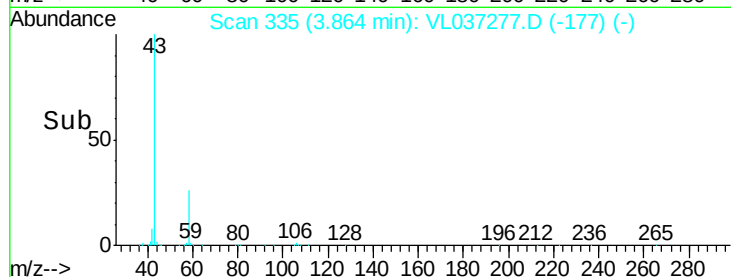
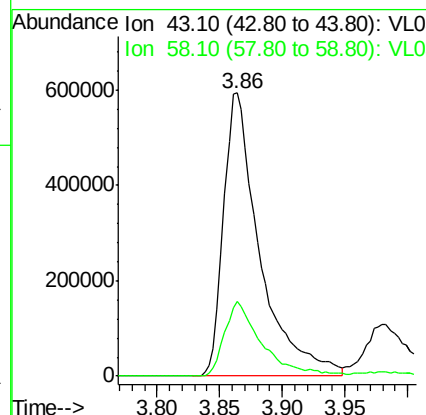
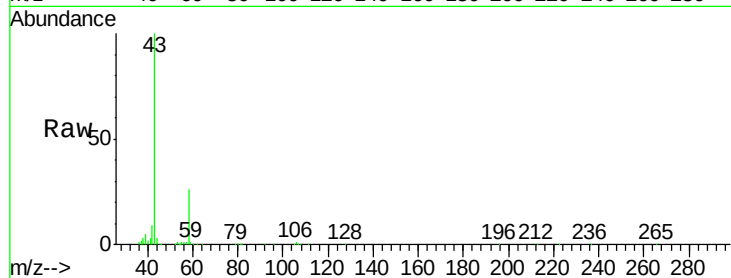
#15
Acetone
Concen: 7.995 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1188567
Ion Ratio Lower Upper
43 100
58 27.3 23.7 35.5

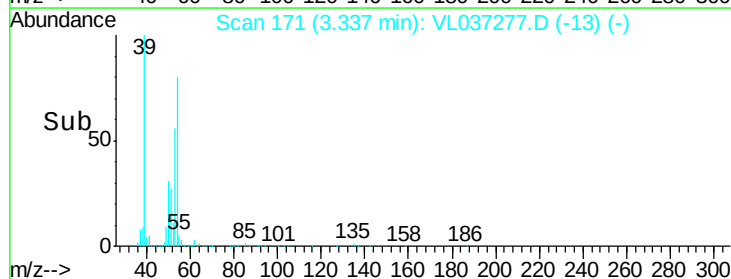
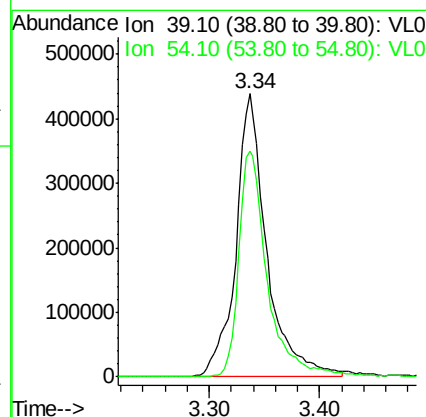
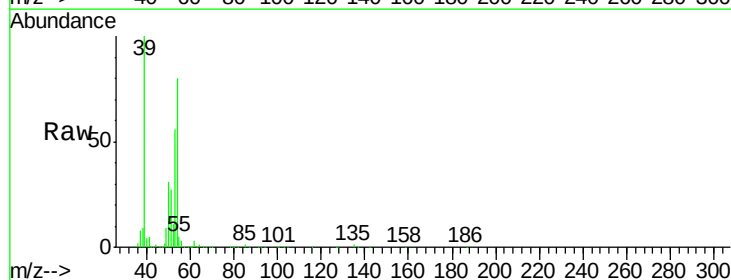
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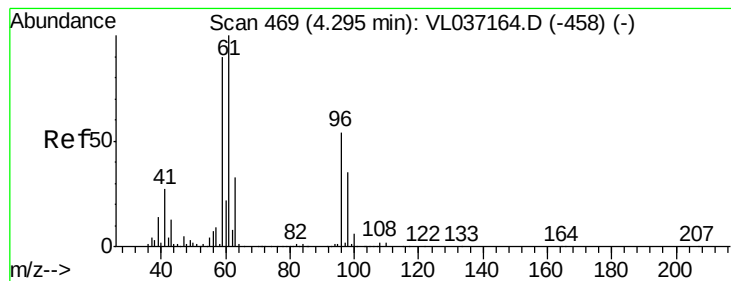
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#16
1,3-Butadiene
Concen: 9.687 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 39 Resp: 851302
Ion Ratio Lower Upper
39 100
54 73.9 61.2 91.8





#17

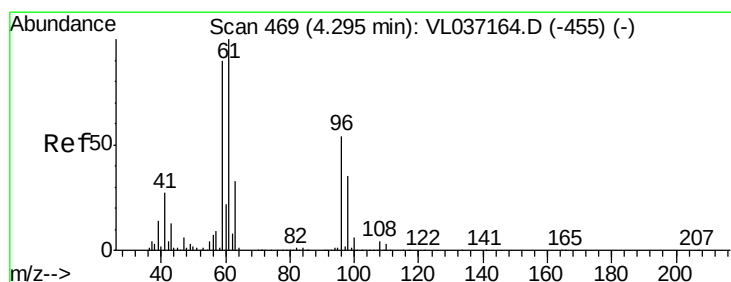
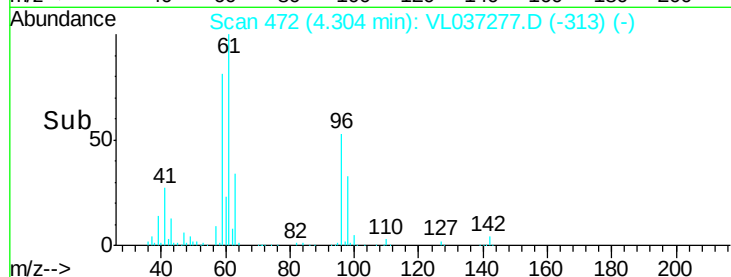
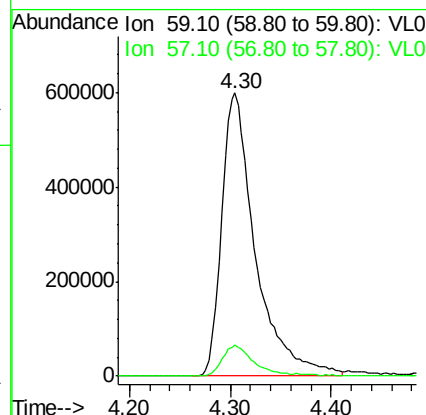
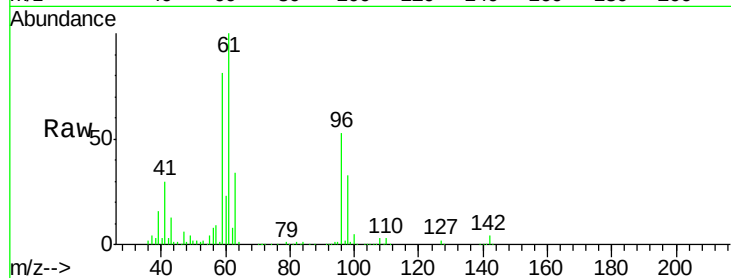
tert-Butyl alcohol
Concen: 10.160 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1395904
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2

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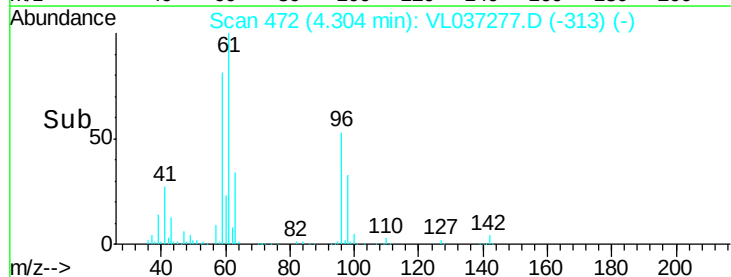
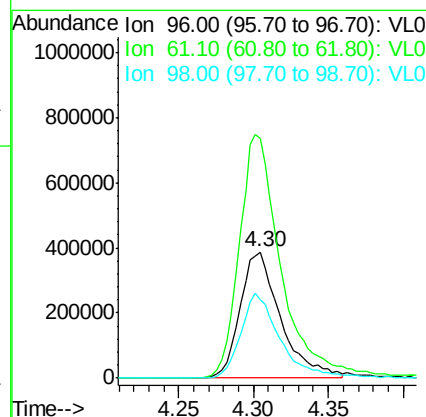
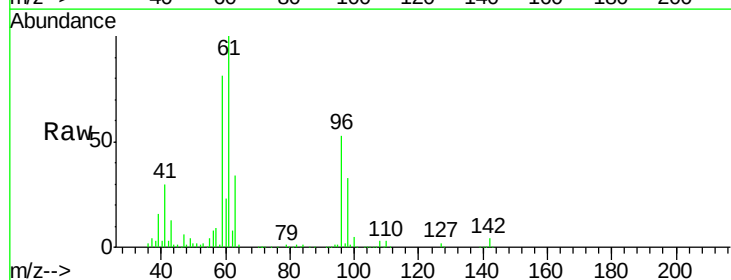
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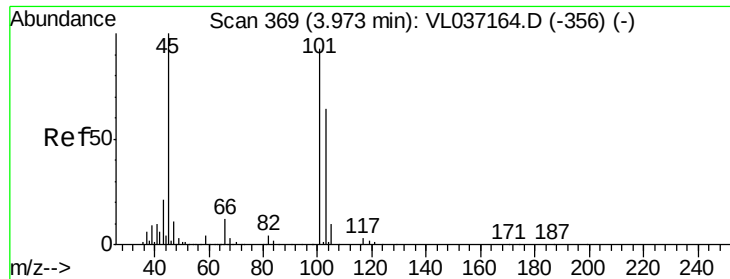


#18

1,1-Dichloroethene
Concen: 9.525 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 96 Resp: 727859
Ion Ratio Lower Upper
96 100
61 190.2 148.6 222.8
98 62.8 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.246 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 832492

Ion Ratio Lower Upper

45 100

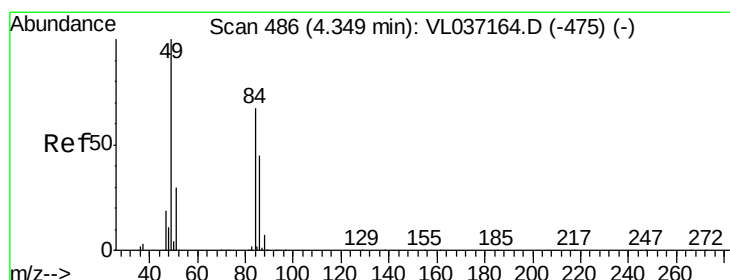
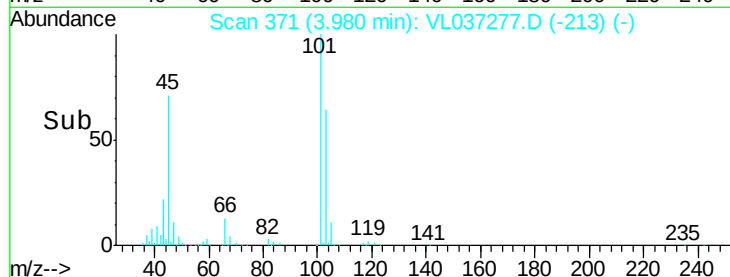
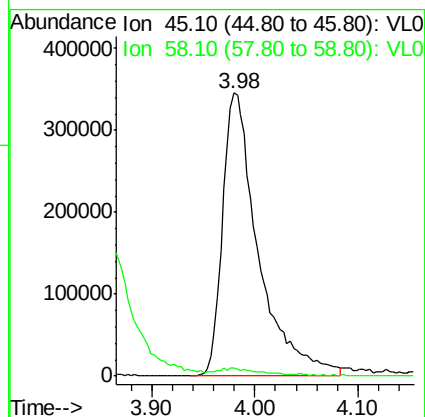
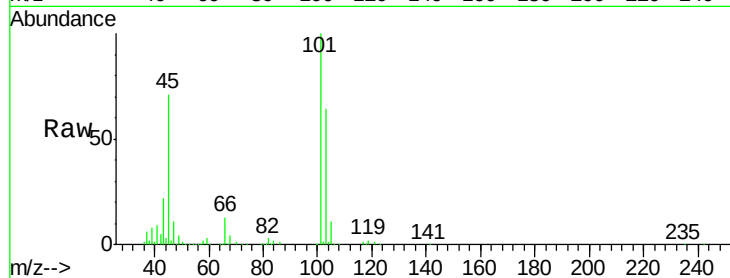
58 2.9 2.4 3.6

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#20

Methylene Chloride

Concen: 7.189 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Tgt Ion: 84 Resp: 639806

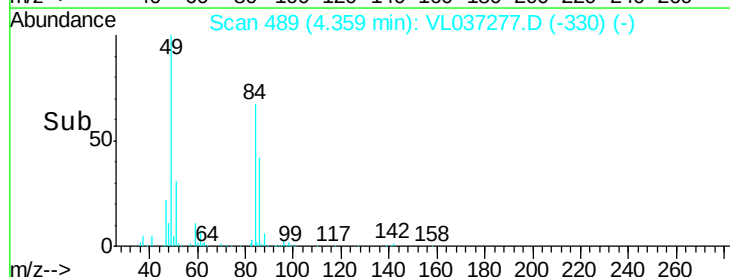
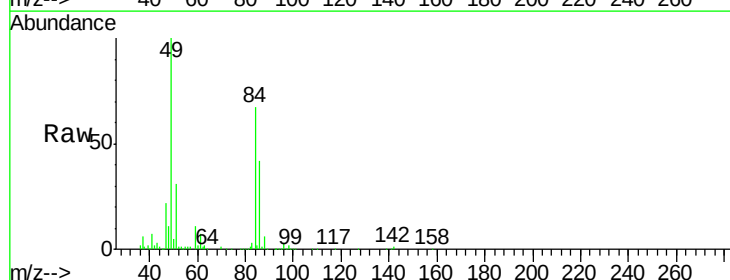
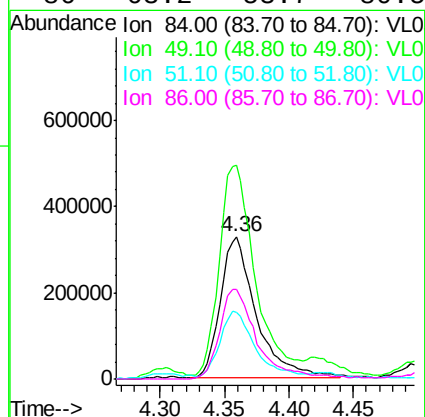
Ion Ratio Lower Upper

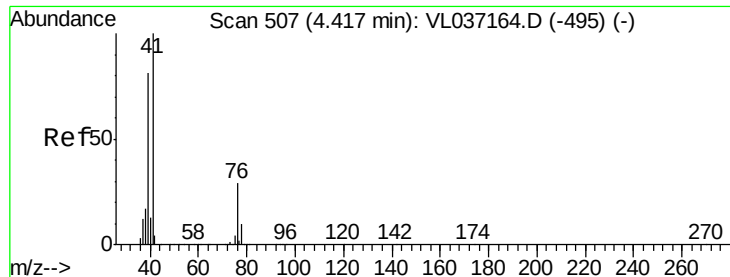
84 100

49 147.6 119.7 179.5

51 44.7 36.1 54.1

86 63.2 53.7 80.5





#21

Allvl Chloride

Concen: 9.447 ppbv

RT: 4.43 min Scan# 510

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

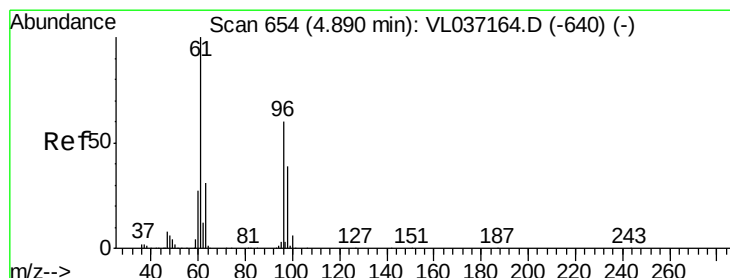
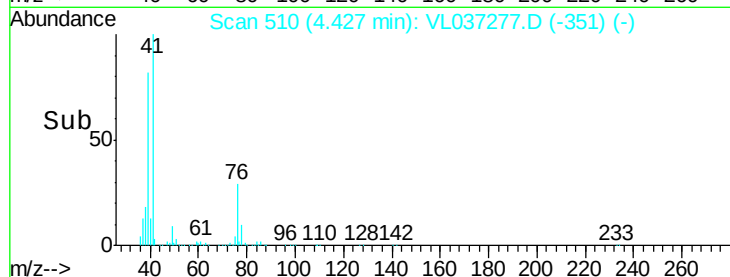
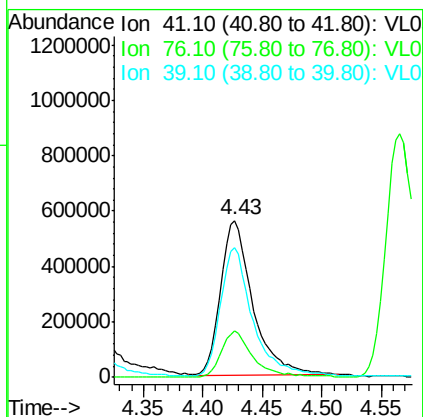
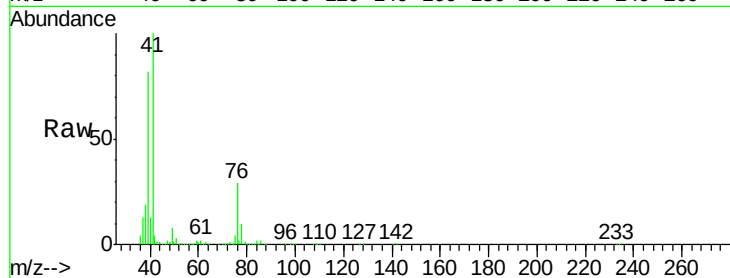
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1058511
Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.6	37.0
39	83.2	65.4	98.0

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#22

trans-1,2-Dichloroethene

Concen: 10.114 ppbv

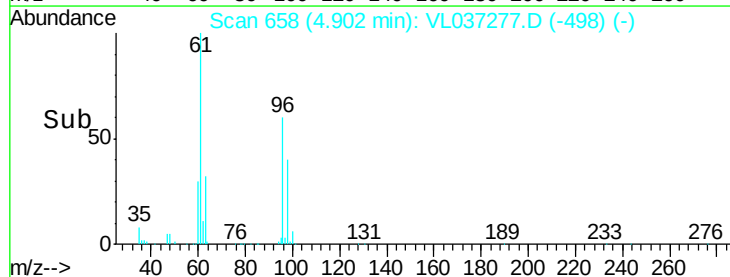
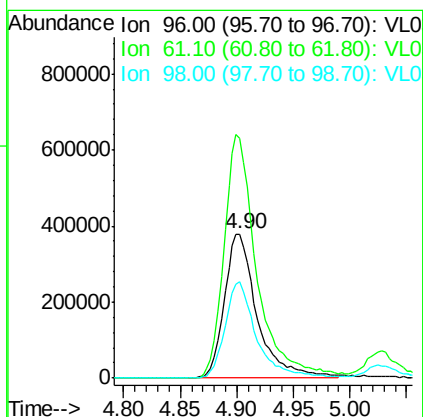
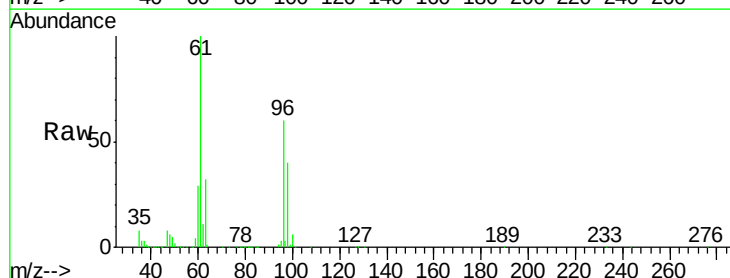
RT: 4.90 min Scan# 658

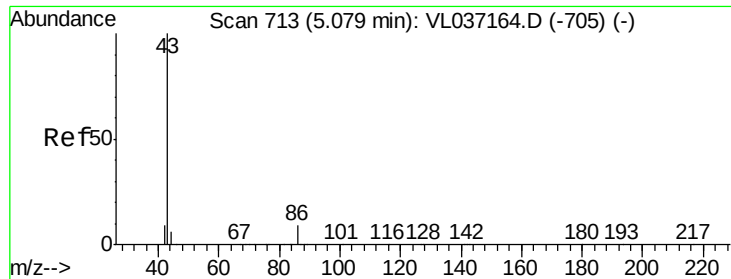
Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Tgt Ion:	96	Resp:	764785
Ion	Ratio	Lower	Upper
96	100		
61	166.3	133.9	200.9
98	67.0	52.9	79.3





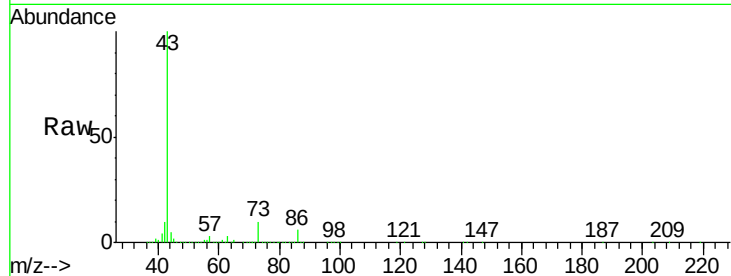
#23
 Vinyl Acetate
 Concen: 8.554 ppbv
 RT: 5.09 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

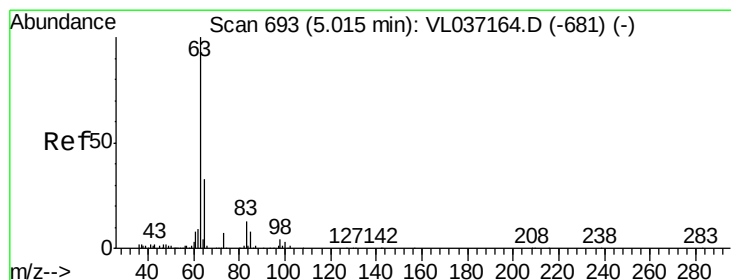
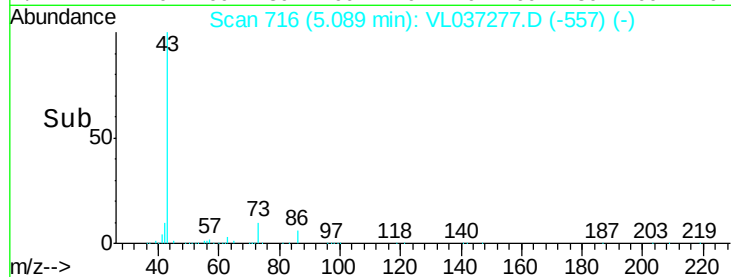
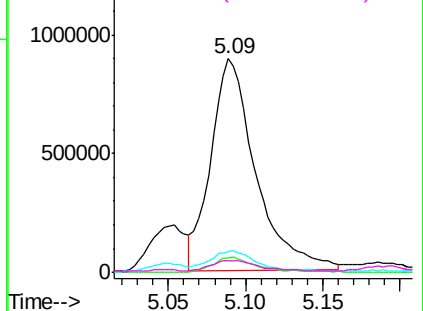
Tot Ion	43	Resp	1823327
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.8	8.8
42	9.7	8.2	12.2
44	5.0	4.2	6.4

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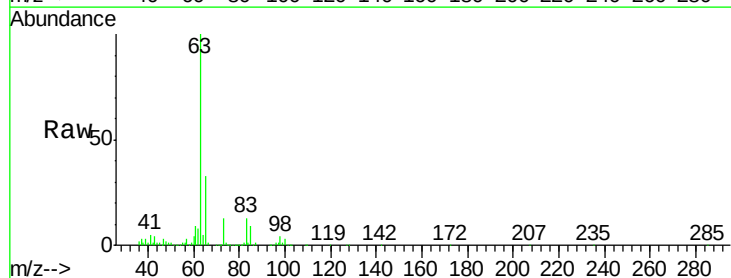


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

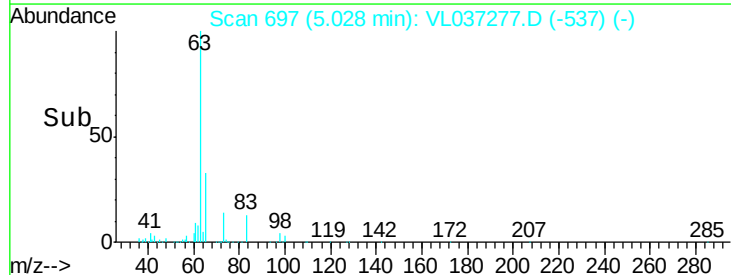
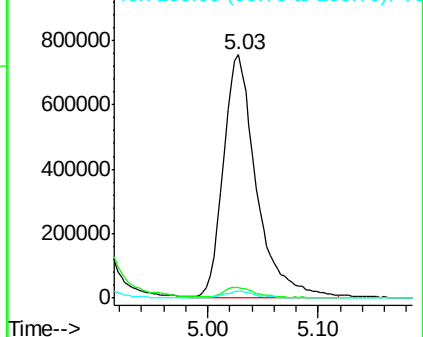


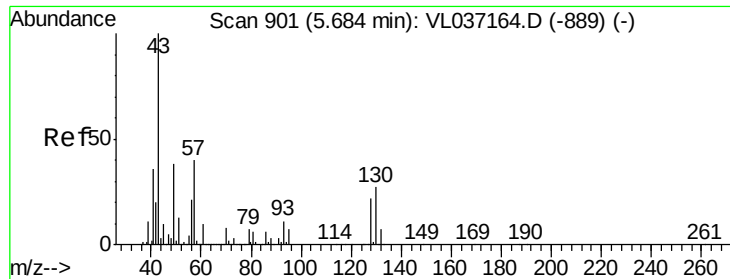
#24
 1,1-Dichloroethane
 Concen: 9.097 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion	63	Resp	1561160
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.8	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





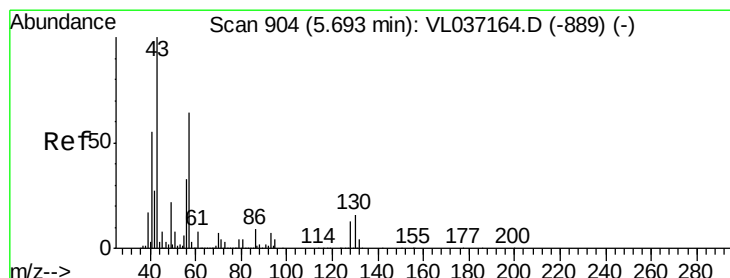
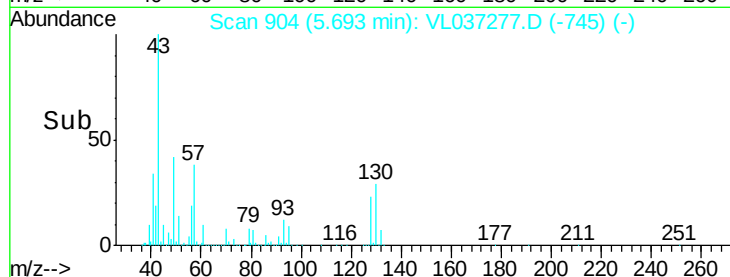
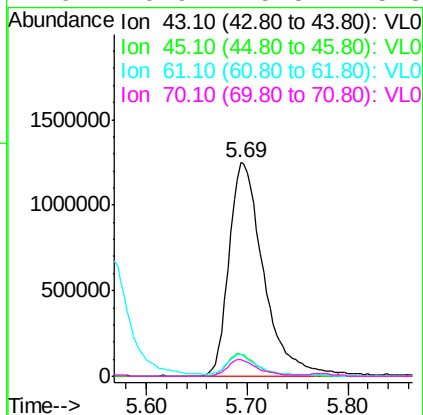
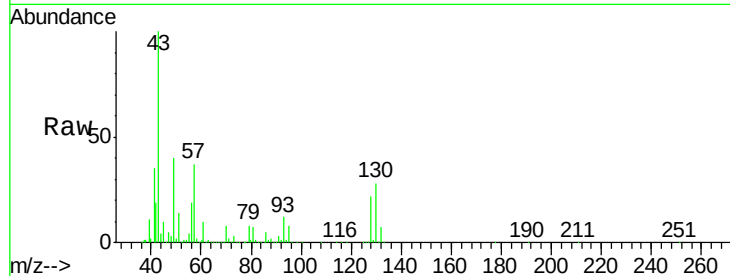
#25
Ethyl Acetate
Concen: 9.215 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	2965468
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.5	8.1	12.1
70	6.9	5.5	8.3

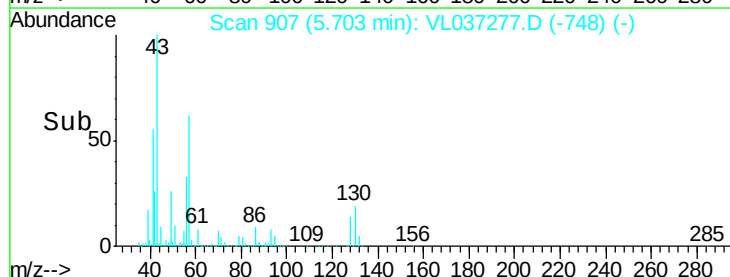
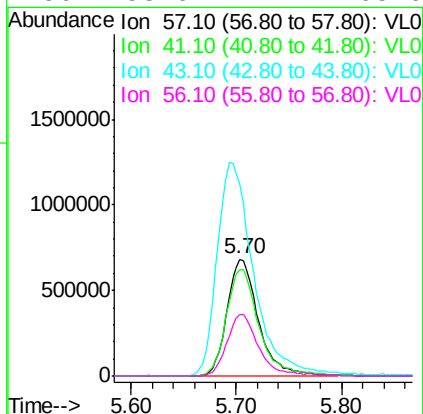
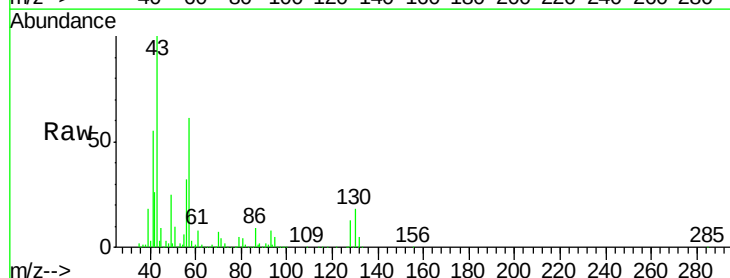
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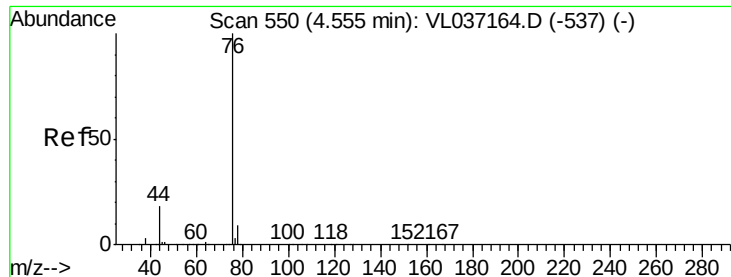
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#26
Hexane
Concen: 8.671 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion	57	Resp	1410417
Ion	Ratio	Lower	Upper
57	100		
41	95.5	73.5	110.3
43	213.2	170.7	256.1
56	53.6	42.4	63.6





#27

Carbon Disulfide

Concen: 10.942 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1743729

Ion Ratio Lower Upper

76 100

44 19.0 15.4 23.2

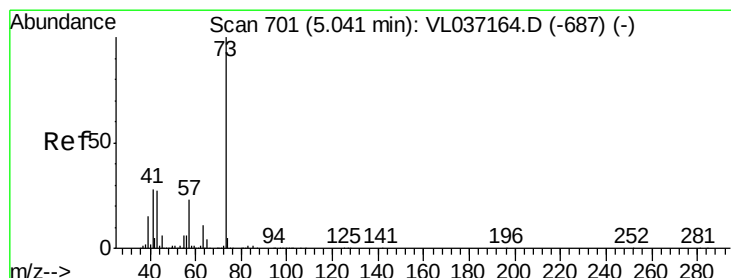
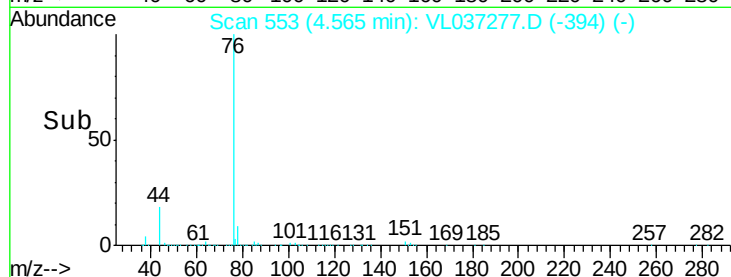
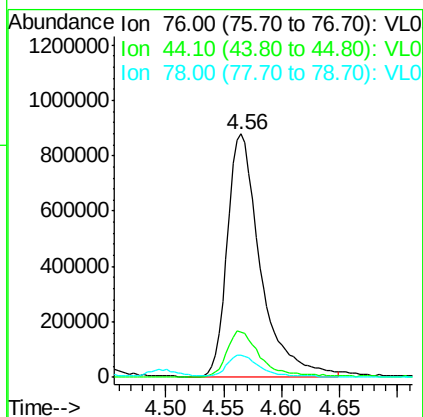
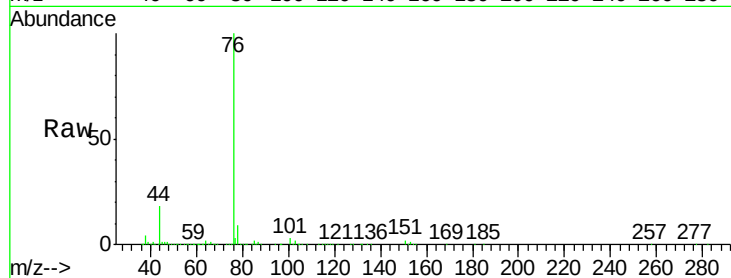
78 9.8 8.0 12.0

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 8.105 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL037277.D

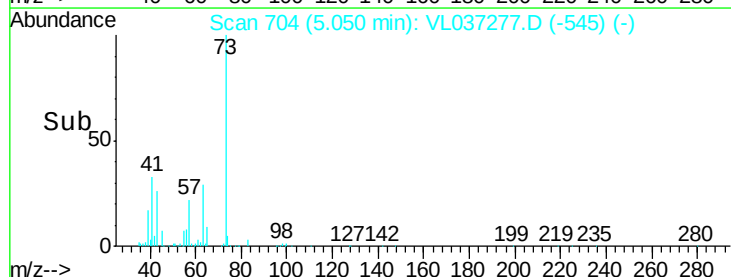
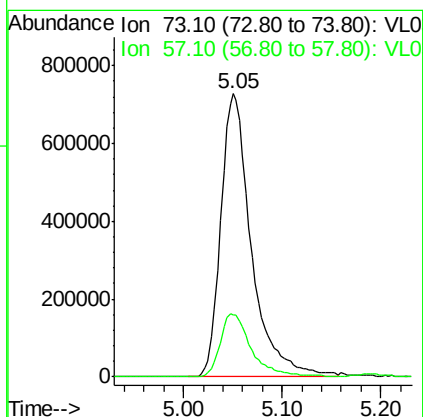
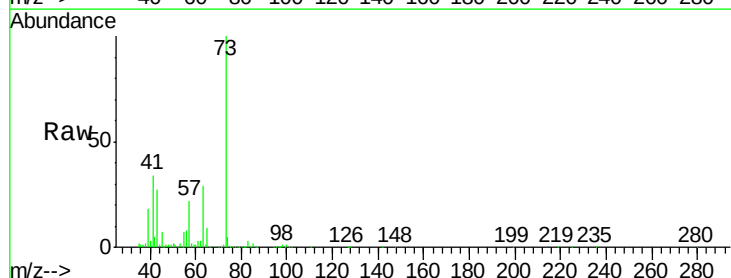
Acq: 2 Jul 2021 16:29

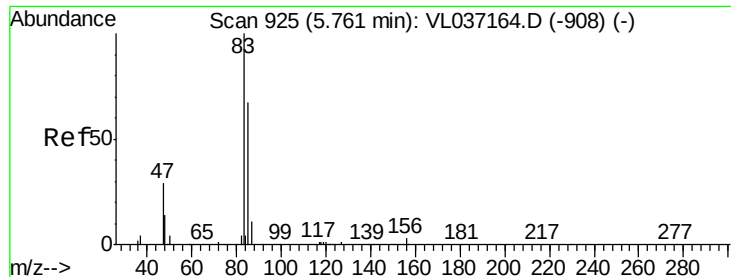
Tgt Ion: 73 Resp: 1584877

Ion Ratio Lower Upper

73 100

57 22.8 18.0 27.0





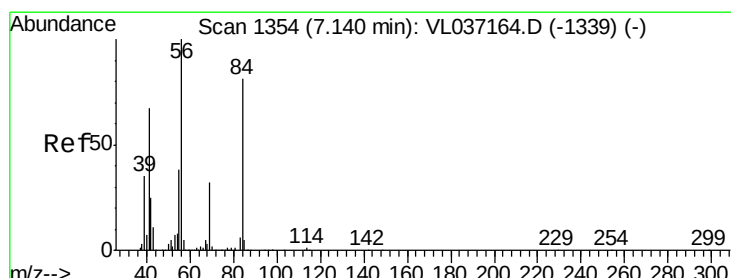
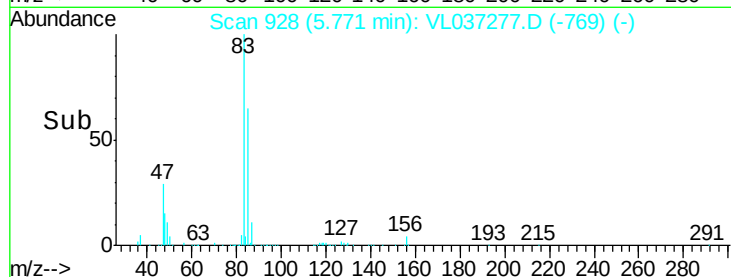
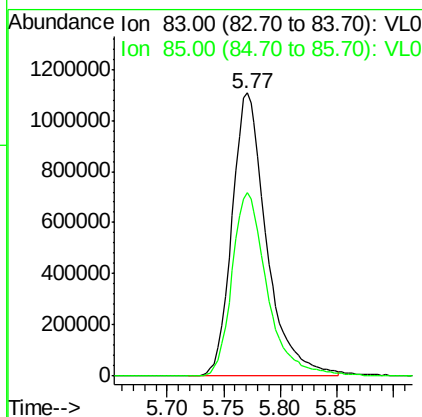
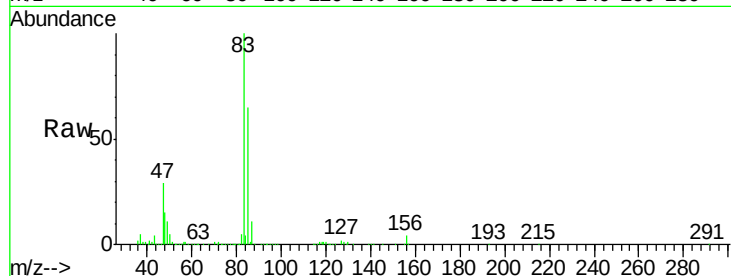
#29
Chloroform
Concen: 9.370 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2354184
Ion Ratio Lower Upper
83 100
85 64.5 53.6 80.4

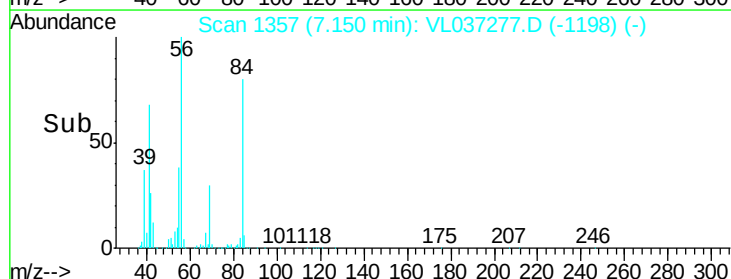
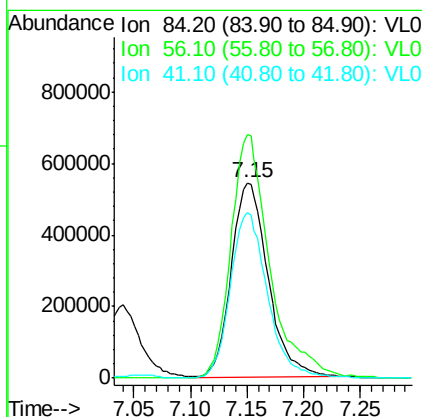
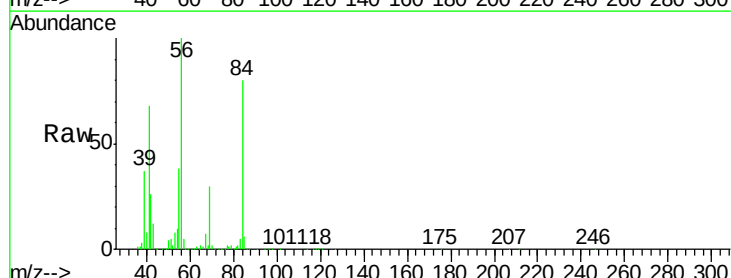
Manual Integrations
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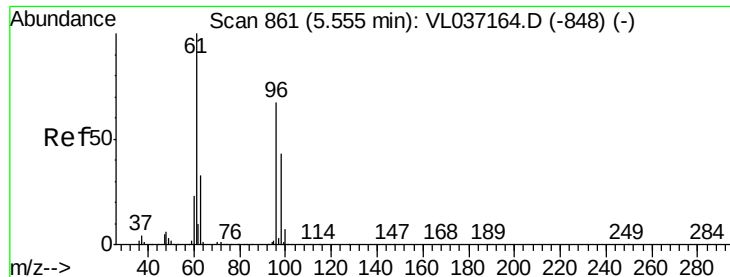
MMDadoda
7/6/2021 6:44:38 PM



#30
Cyclohexane
Concen: 9.072 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 84 Resp: 1229523
Ion Ratio Lower Upper
84 100
56 133.5 107.7 161.5
41 86.6 69.0 103.6





#31

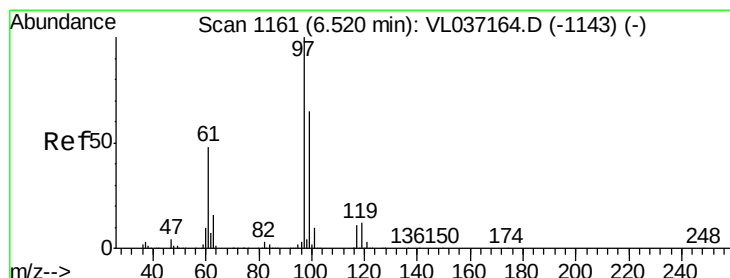
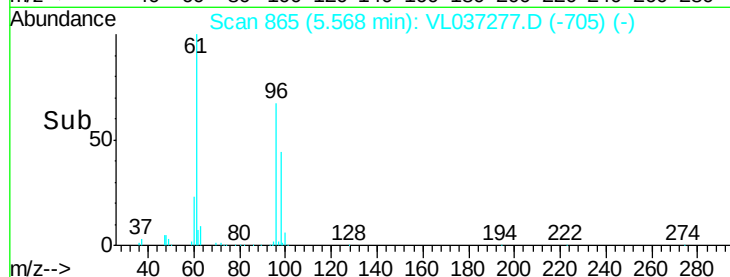
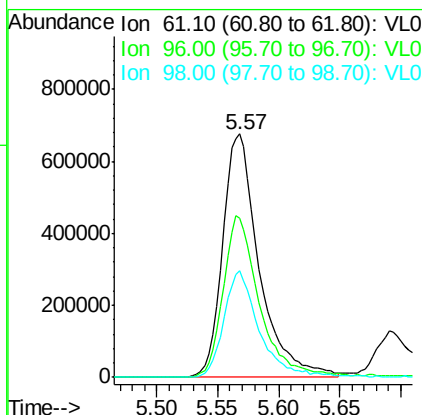
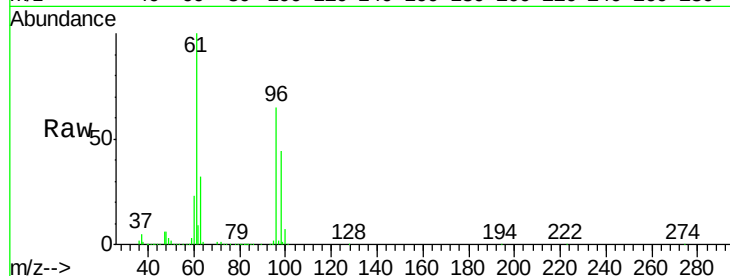
cis-1,2-Dichloroethene
Concen: 9.428 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.2	53.6	80.4
98	43.8	34.7	52.1

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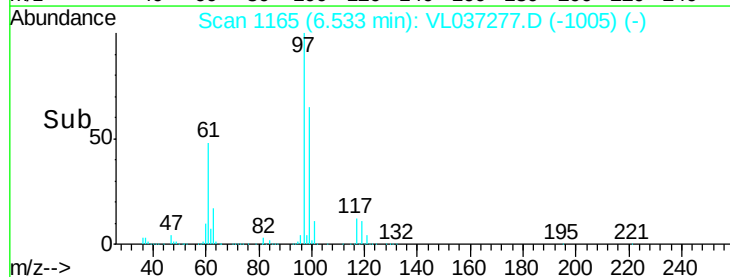
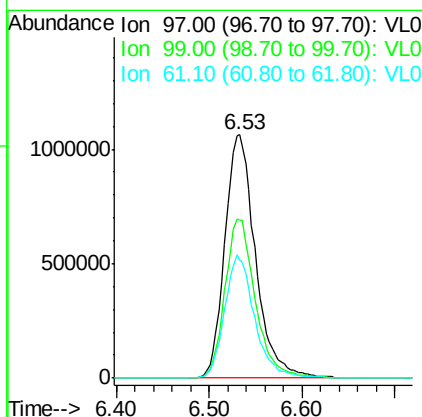
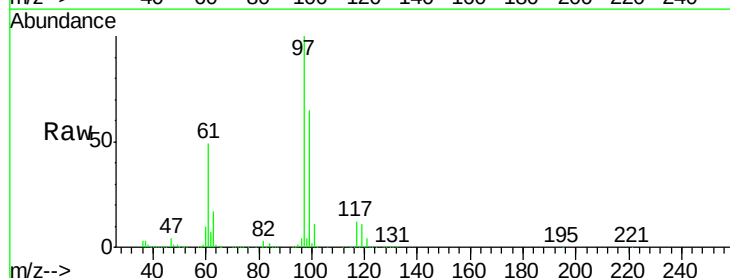
MMDadoda
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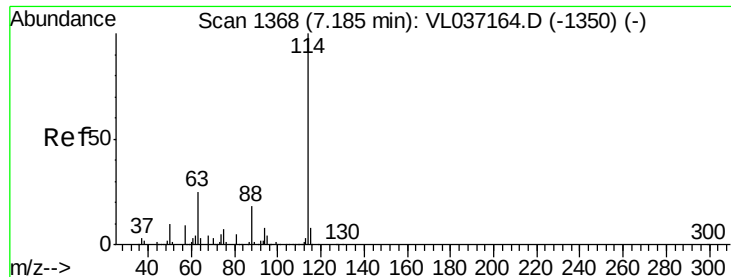


#32

1,1,1-Trichloroethane
Concen: 9.067 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.4
61	49.4	38.8	58.2





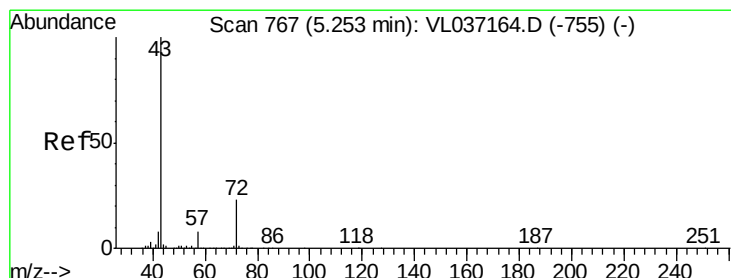
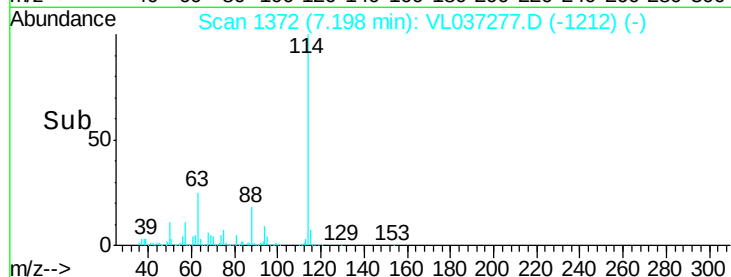
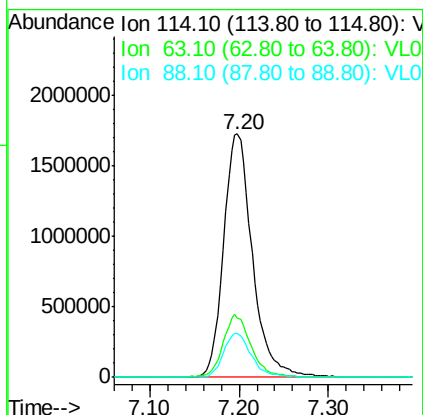
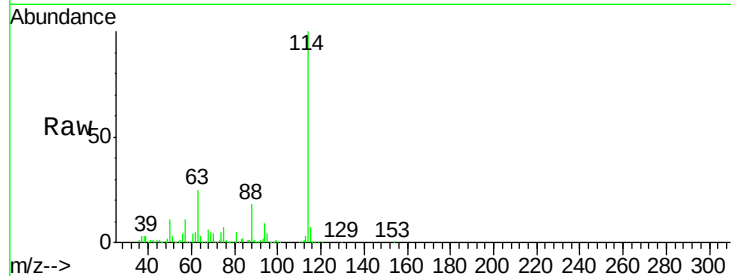
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3860058
 Ion Ratio Lower Upper
 114 100
 63 25.2 19.6 29.4
 88 17.6 14.2 21.2

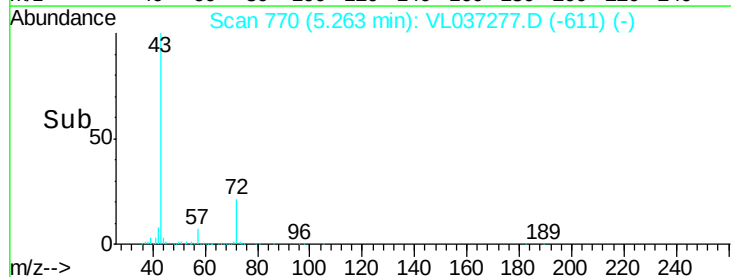
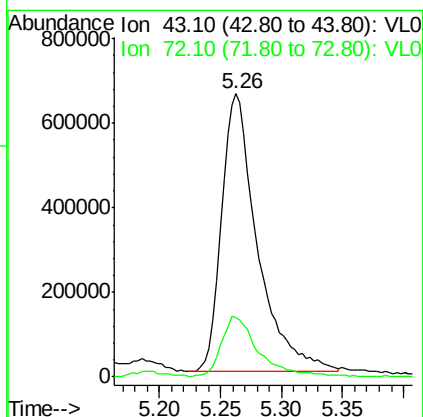
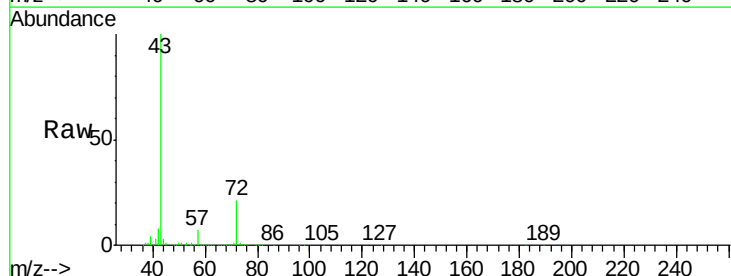
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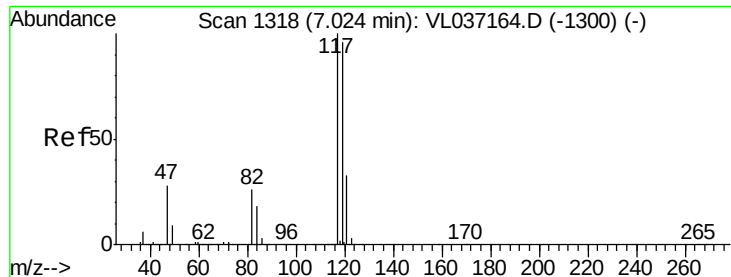
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#34
 2-Butanone
 Concen: 9.049 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion: 43 Resp: 1358479
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.9 28.3





#35

Carbon Tetrachloride

Concen: 10.284 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2662538

Ion Ratio Lower Upper

117 100

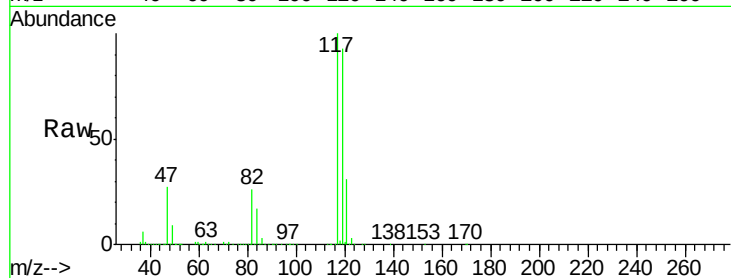
119 93.5 76.6 114.8

121 31.4 26.4 39.6

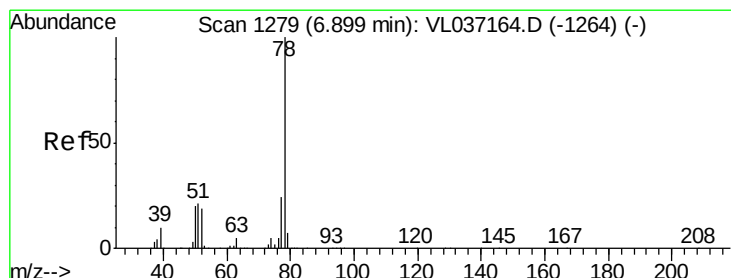
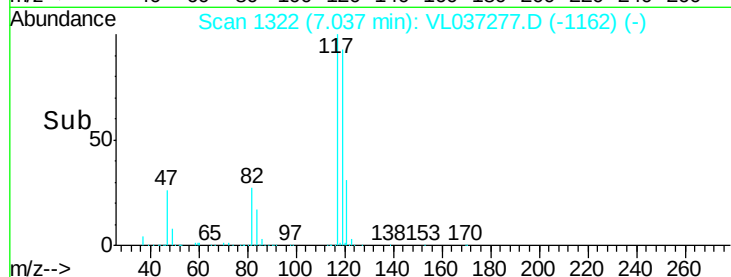
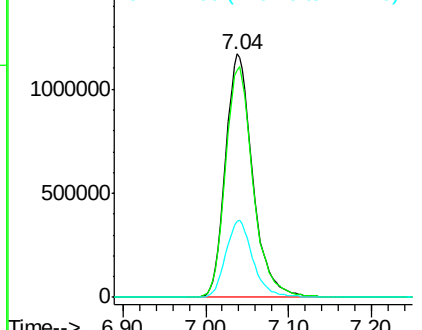
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.283 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

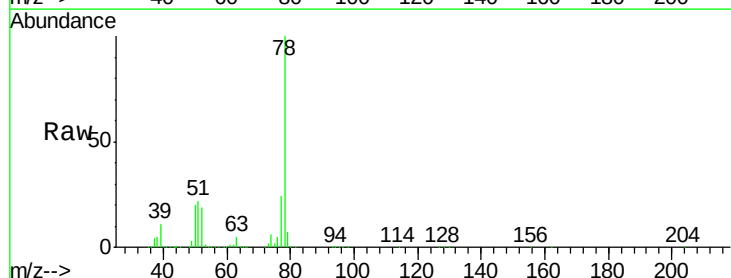
Tgt Ion: 78 Resp: 2897417

Ion Ratio Lower Upper

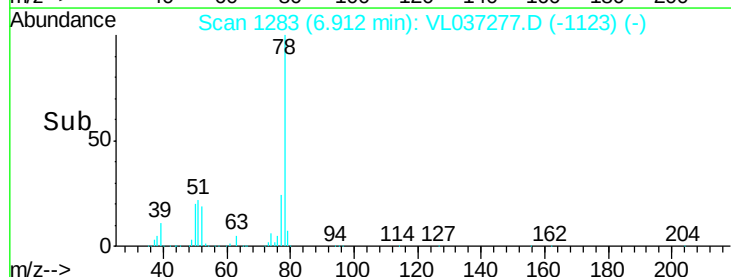
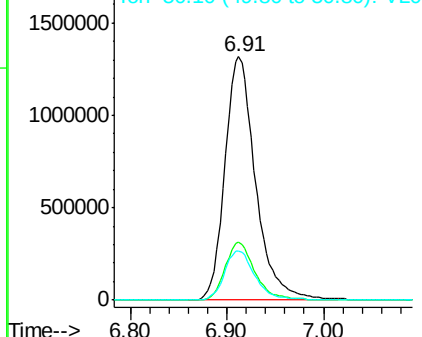
78 100

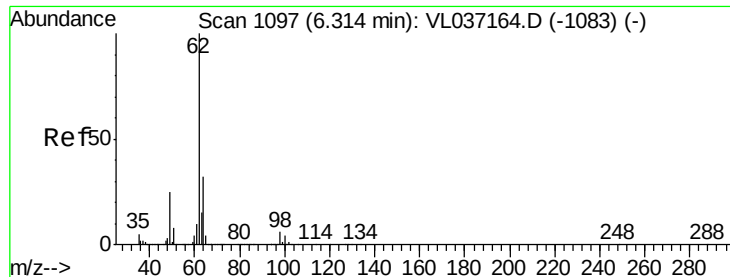
77 23.8 19.0 28.6

50 20.3 15.7 23.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





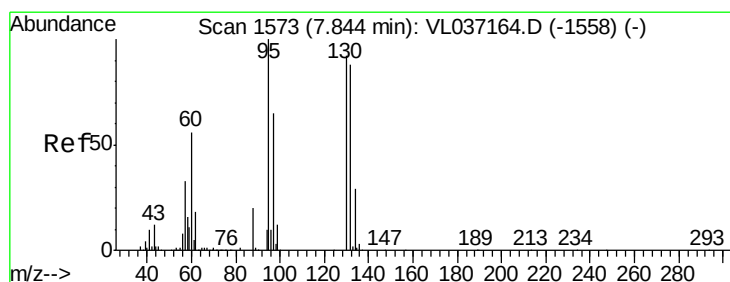
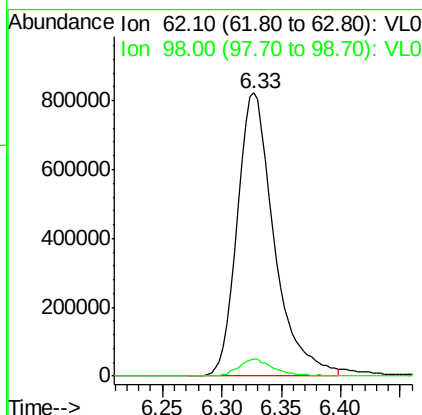
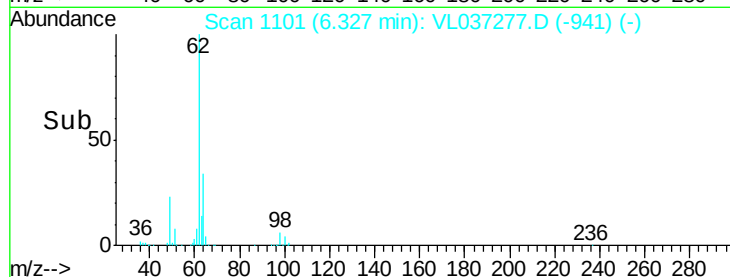
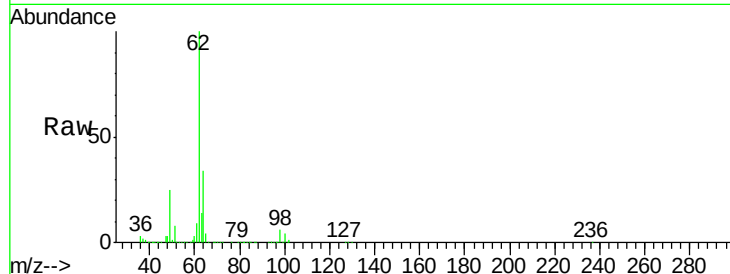
#37
 1,2-Dichloroethane
 Concen: 9.752 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1768232
 Ion Ratio Lower Upper
 62 100
 98 5.9 5.0 7.6

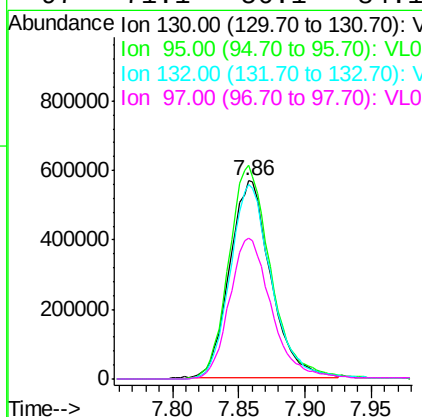
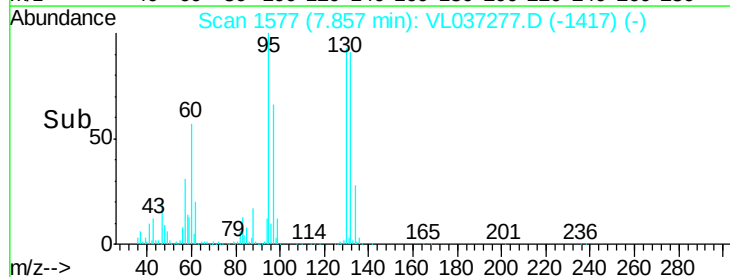
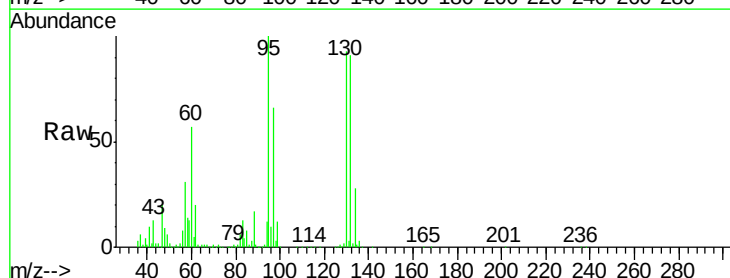
Manual Integrations
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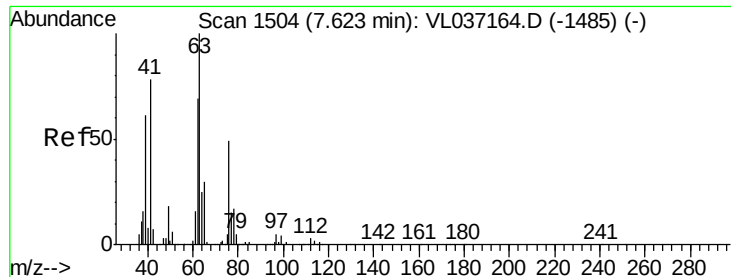
MMDadoda
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#38
 Trichloroethene
 Concen: 8.203 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion: 130 Resp: 1217125
 Ion Ratio Lower Upper
 130 100
 95 108.2 86.6 129.8
 132 98.7 76.6 114.8
 97 71.1 56.1 84.1





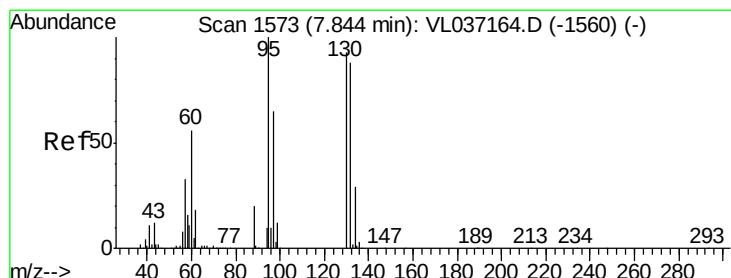
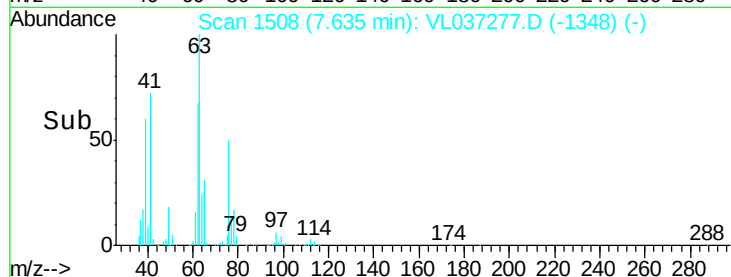
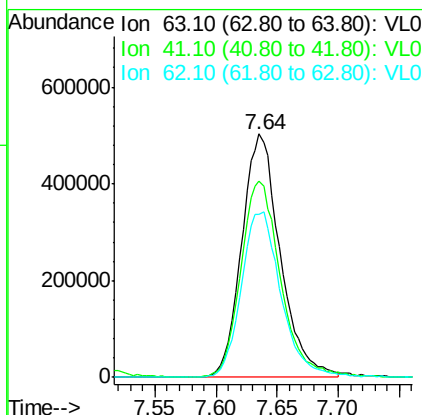
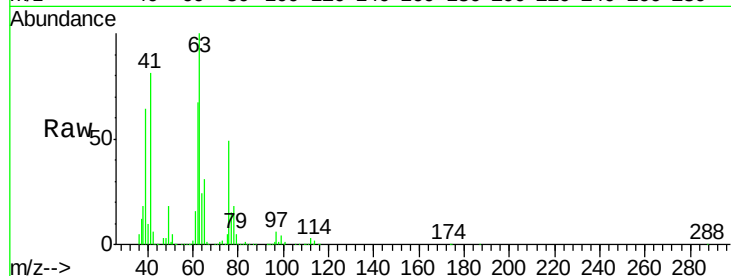
#39
 1,2-Dichloropropane
 Concen: 9.415 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 63 Resp: 1091986
 Ion Ratio Lower Upper
 63 100
 41 80.4 62.0 93.0
 62 67.2 54.9 82.3

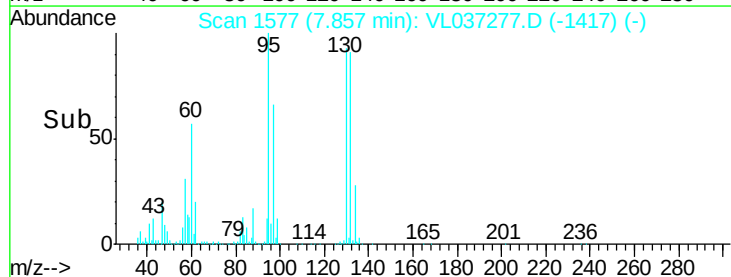
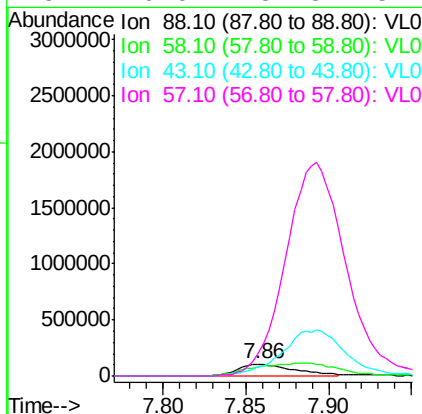
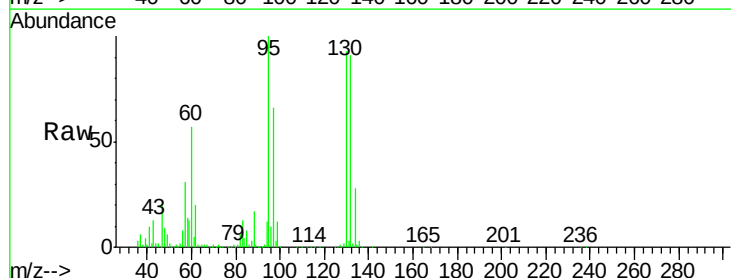
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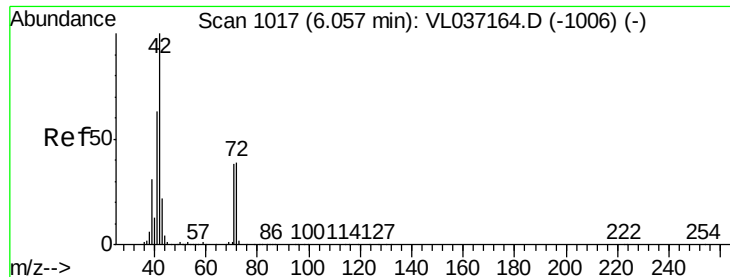
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#40
 1,4-Dioxane
 Concen: 7.847 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion: 88 Resp: 249596
 Ion Ratio Lower Upper
 88 100
 58 0.0 118.4 177.6#
 43 0.0 284.0 426.0#
 57 0.0 1231.8 1847.6#





#41

Tetrahydrofuran

Concen: 9.383 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

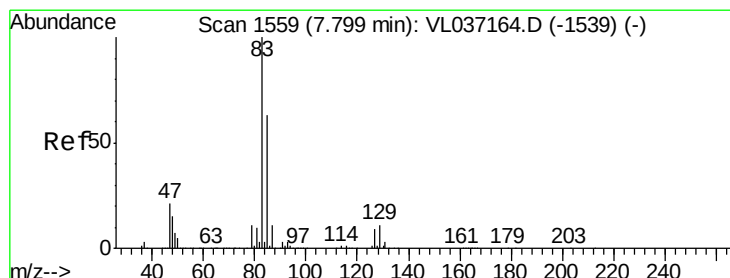
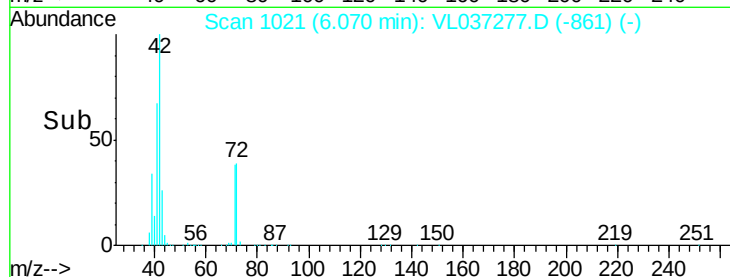
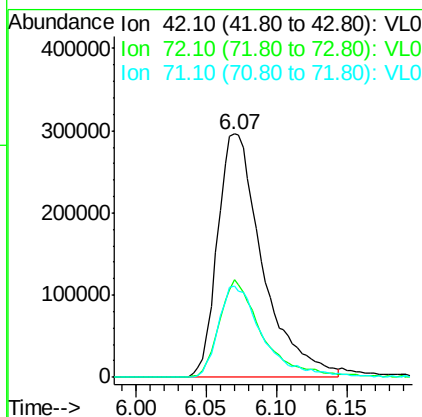
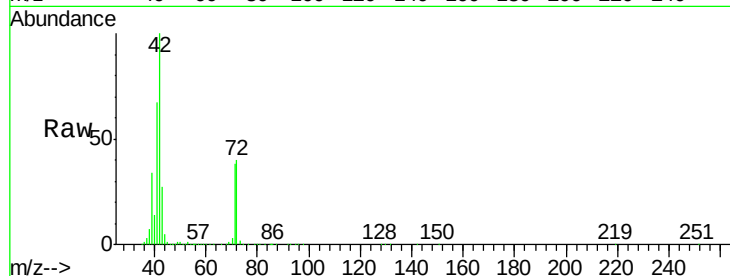
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	654281
Ion	Ratio	Lower	Upper
42	100		
72	38.6	33.0	49.4
71	38.1	31.0	46.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.202 ppbv

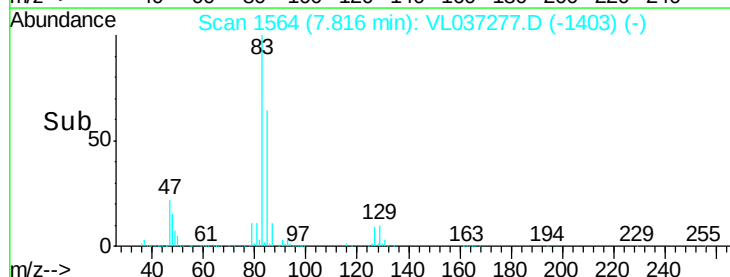
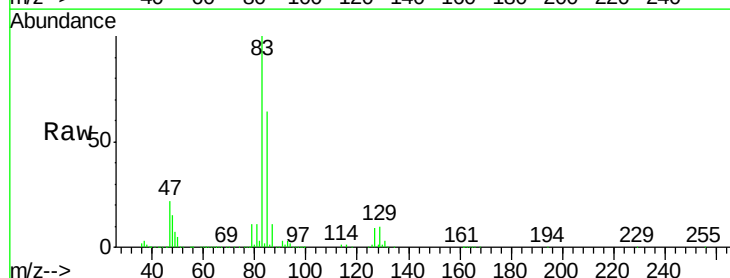
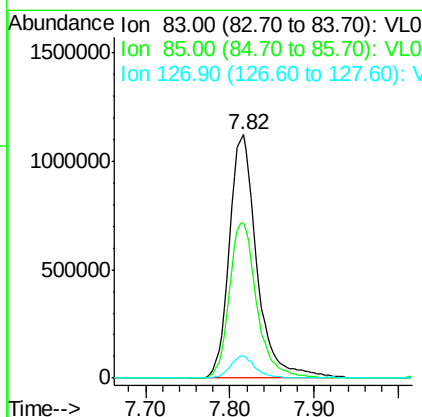
RT: 7.82 min Scan# 1564

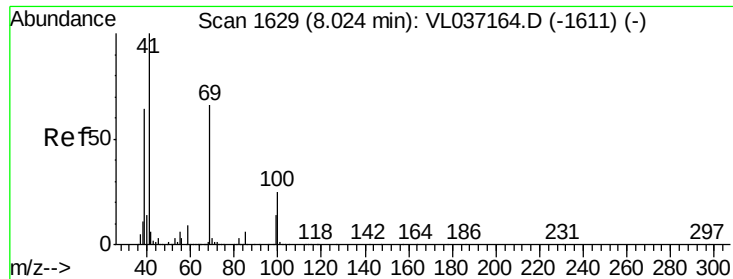
Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Tgt Ion:	83	Resp:	2552147
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.8	76.2
127	8.8	7.0	10.6





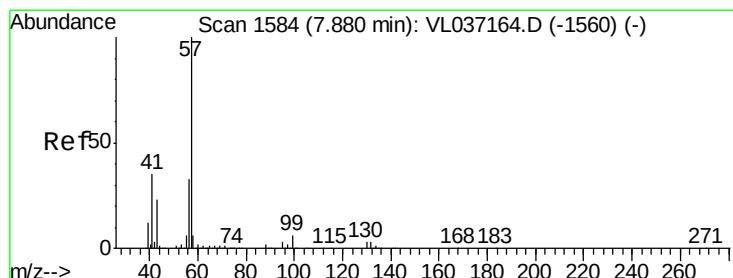
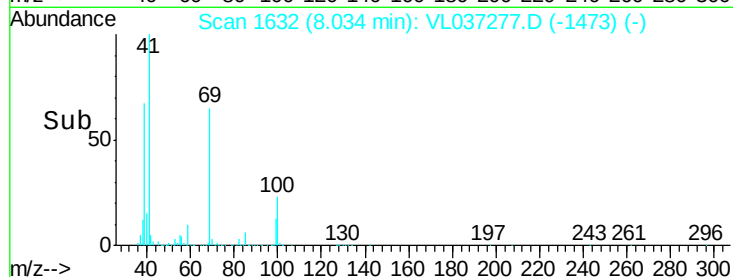
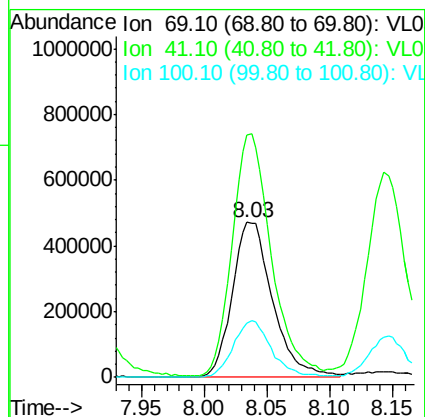
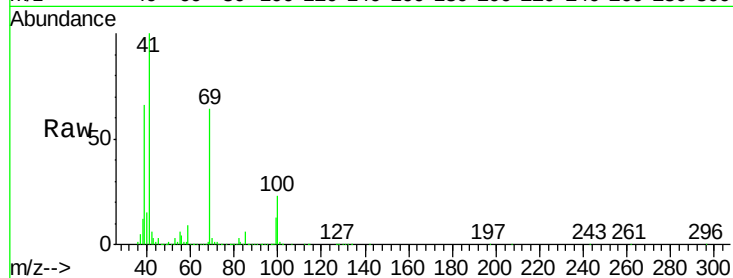
#43
Methyl Methacrylate
Concen: 9.767 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1052823
Ion Ratio Lower Upper
69 100
41 153.7 119.4 179.0
100 35.4 28.6 43.0

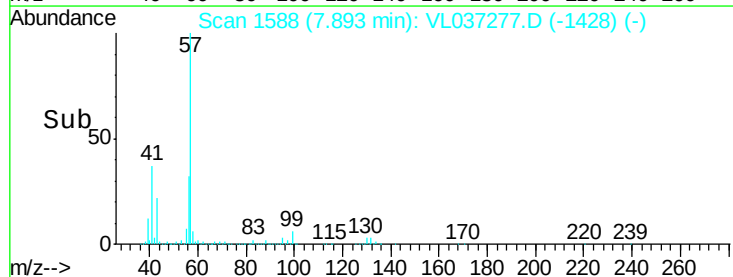
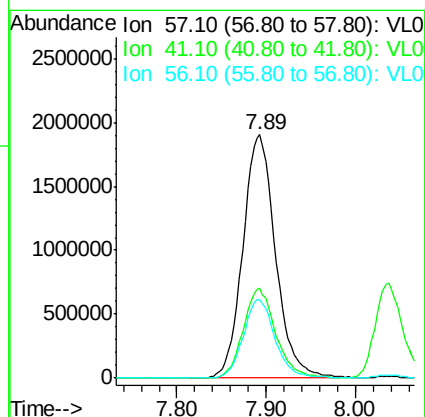
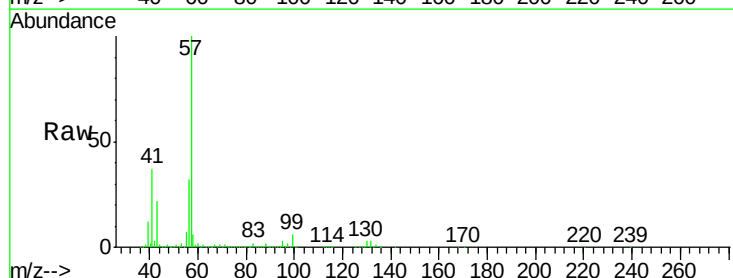
Manual Integrations
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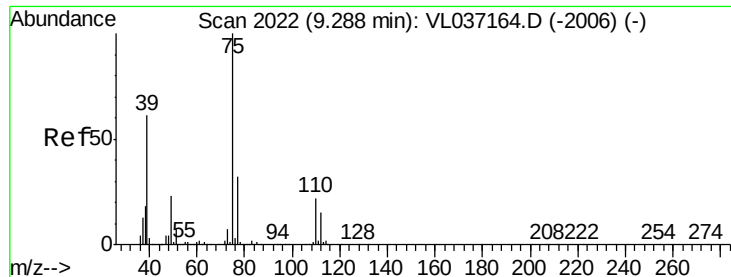
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#44
2,2,4-Trimethylpentane
Concen: 9.228 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 57 Resp: 4850173
Ion Ratio Lower Upper
57 100
41 36.5 27.6 41.4
56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 8.039 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 764528

Ion Ratio Lower Upper

75 100

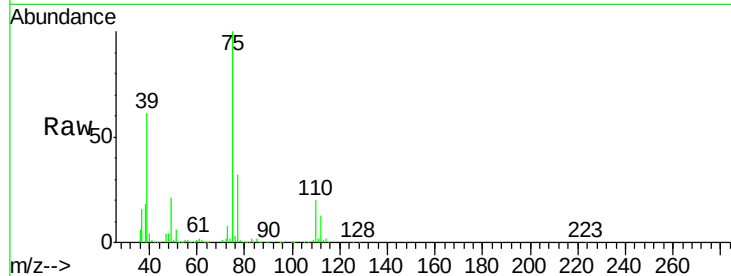
77 31.8 25.6 38.4

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

400000

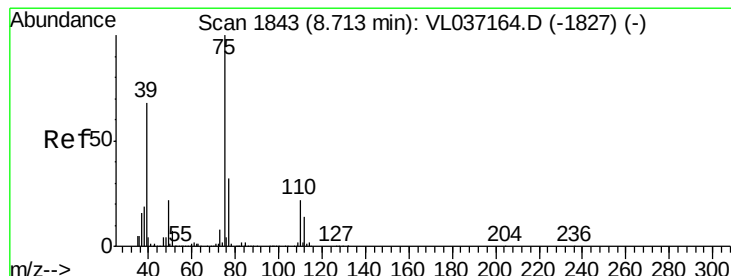
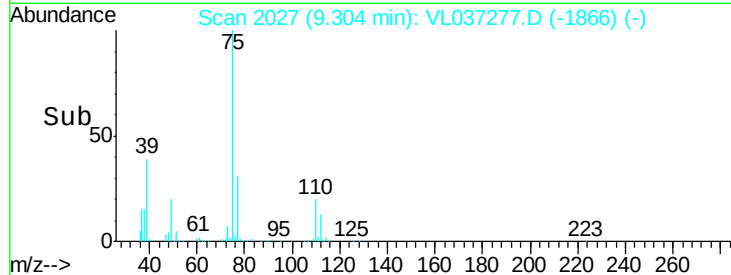
300000

200000

100000

0

Time--> 9.20 9.25 9.30 9.35 9.40



#46

cis-1,3-Dichloropropene

Concen: 7.582 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

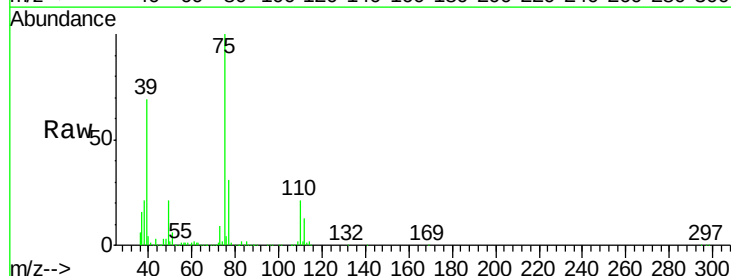
Tgt Ion: 75 Resp: 986502

Ion Ratio Lower Upper

75 100

39 69.1 54.7 82.1

77 30.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

600000

500000

400000

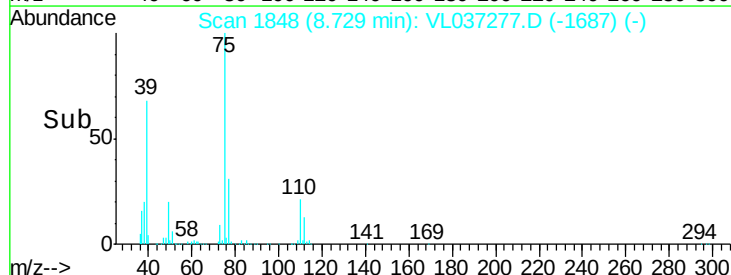
300000

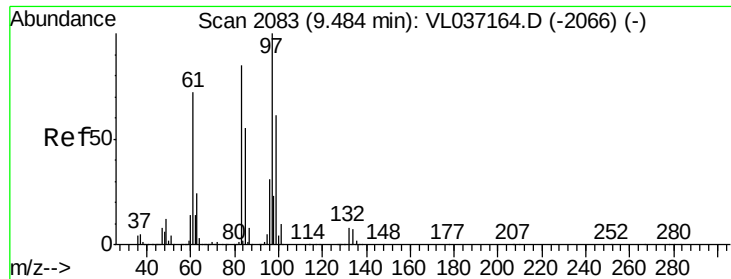
200000

100000

0

Time--> 8.65 8.70 8.75 8.80





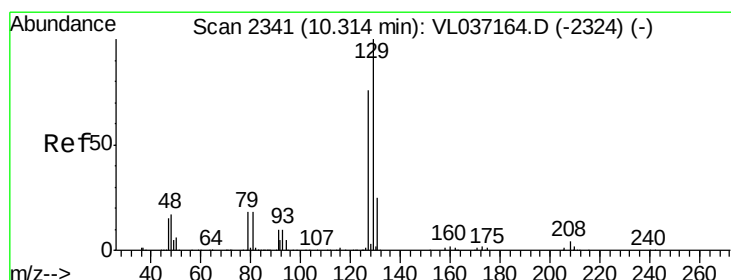
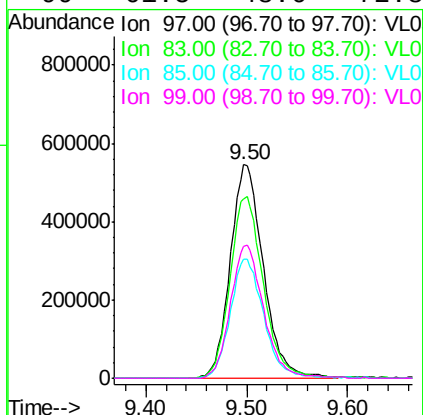
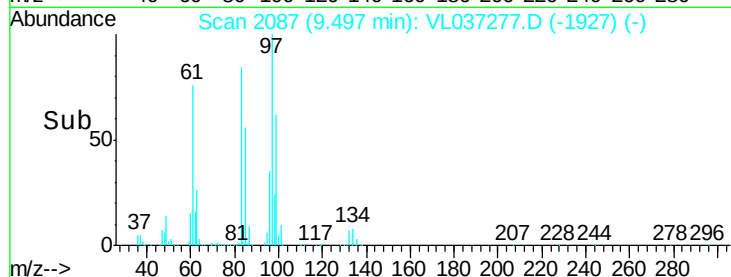
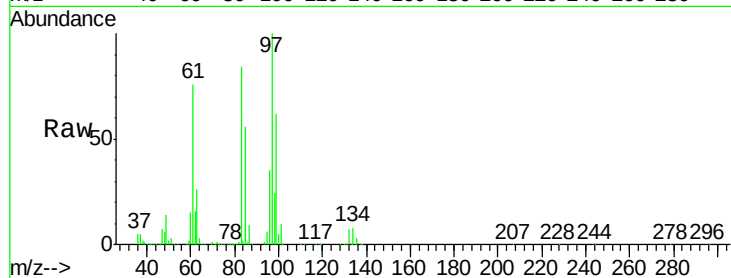
#47
 1,1,2-Trichloroethane
 Concen: 9.394 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.3	102.5
85	55.6	44.1	66.1
99	61.5	48.6	72.8

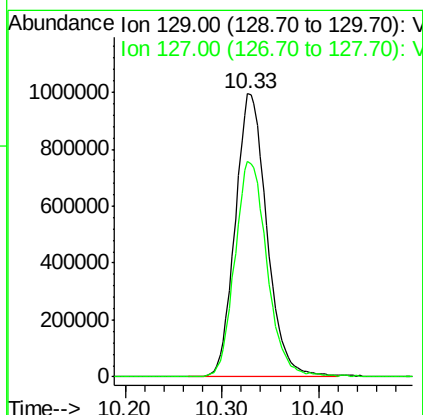
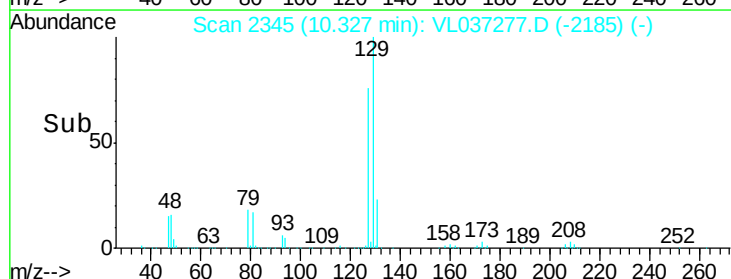
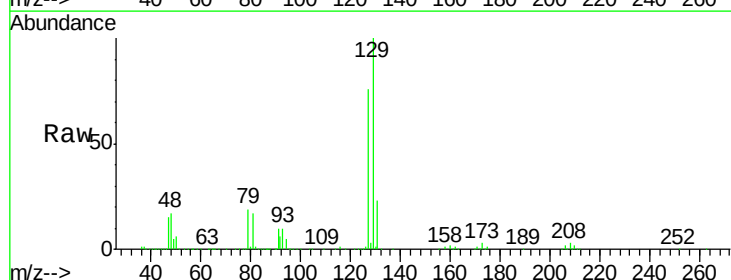
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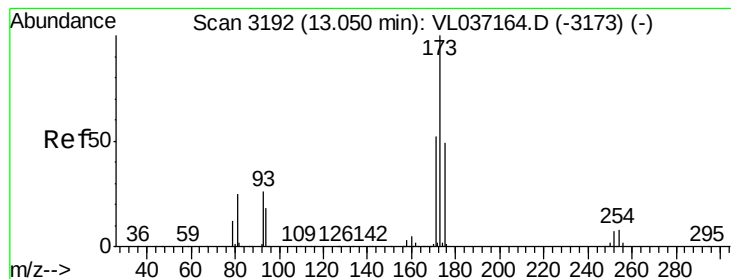
MMDadoda
 7/6/2021 6:44:38 PM



#48
 Dibromochloromethane
 Concen: 10.836 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.2





#49

Bromoform

Concen: 11.519 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1792613

Ion Ratio Lower Upper

173 100

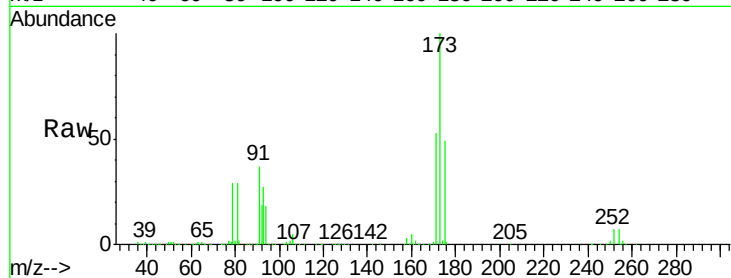
175 51.1 40.2 60.4

171 53.8 41.8 62.8

Manual Integrations
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MMDadoda

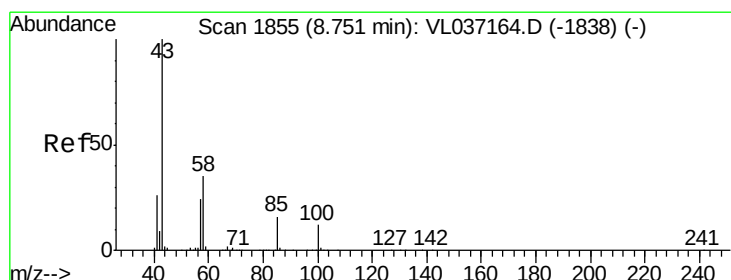
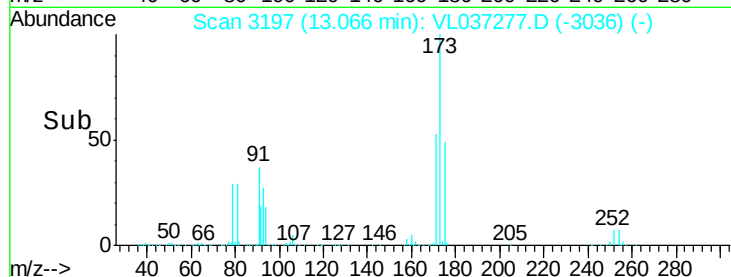
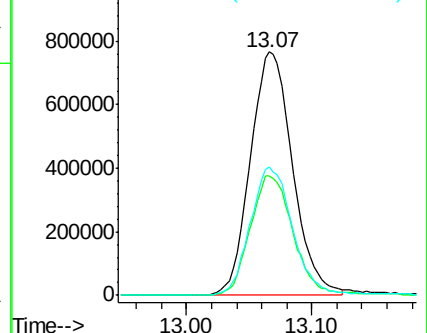
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.300 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL037277.D

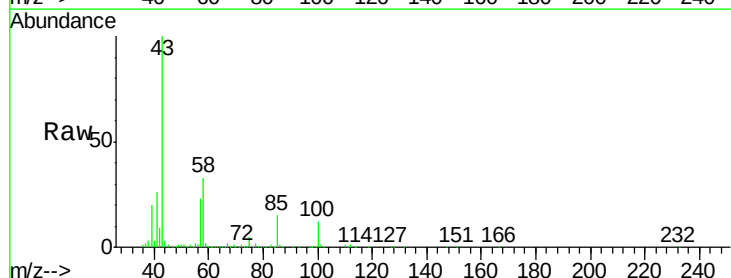
Acq: 2 Jul 2021 16:29

Tgt Ion: 43 Resp: 2123874

Ion Ratio Lower Upper

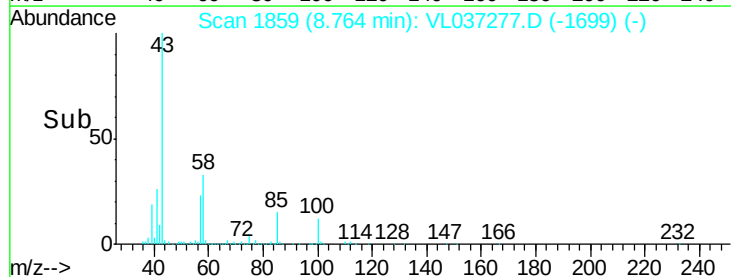
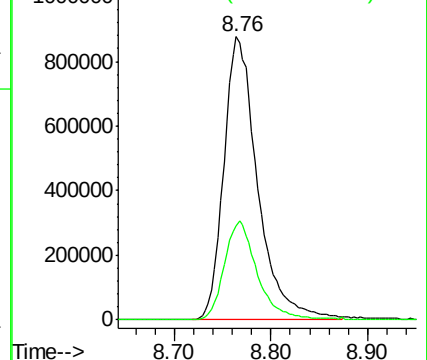
43 100

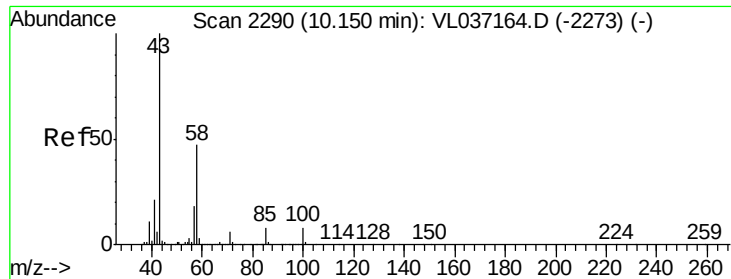
58 34.6 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





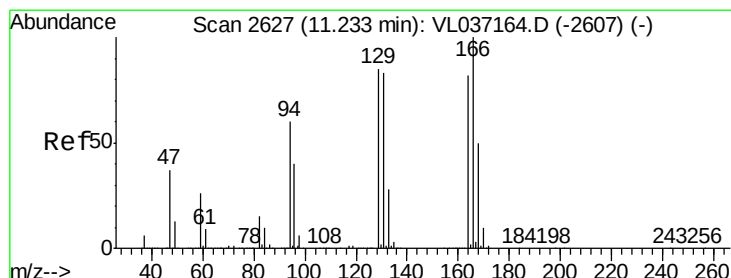
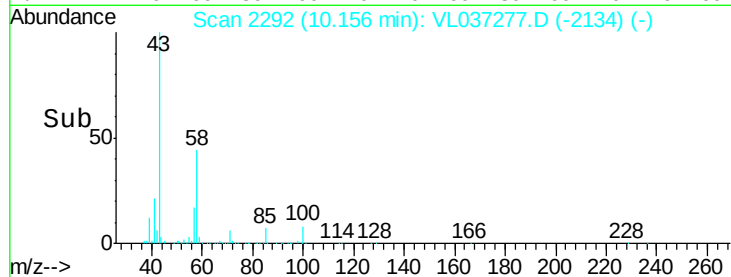
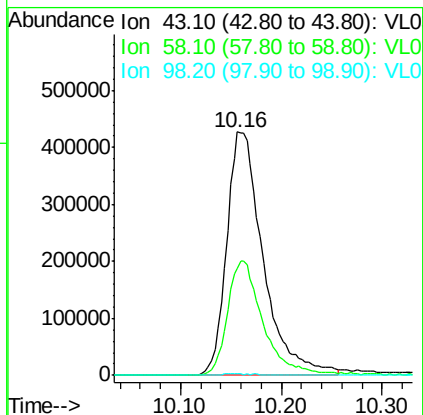
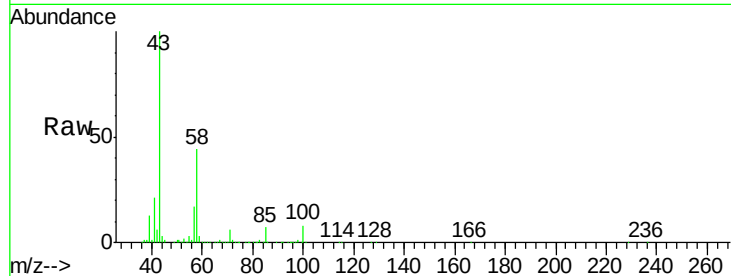
#51
2-Hexanone
Concen: 10.713 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1074813
Ion Ratio Lower Upper
43 100
58 46.3 38.4 57.6
98 0.7 0.3 0.5#

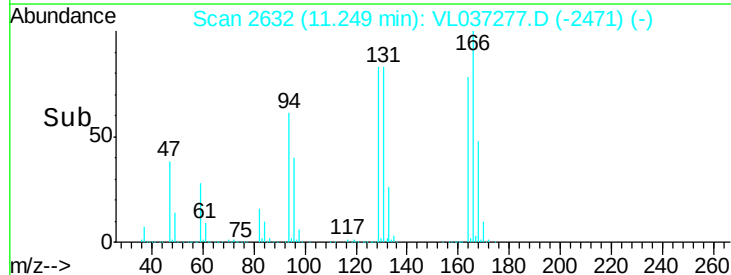
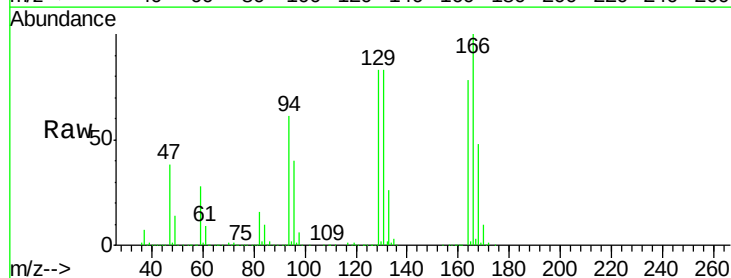
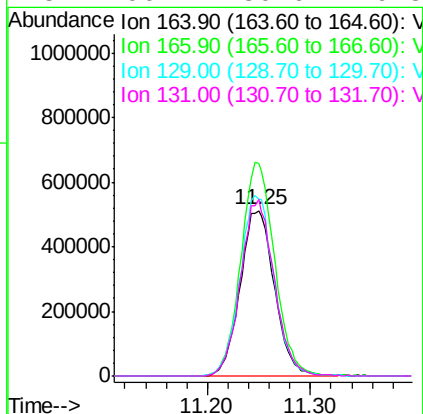
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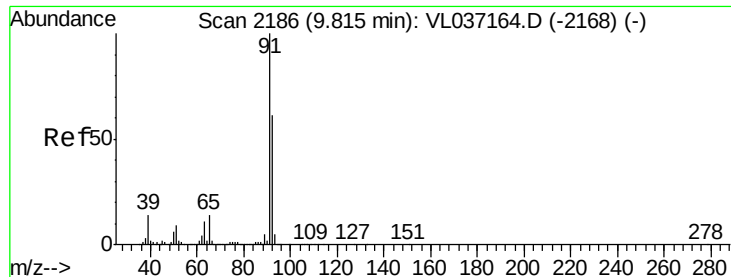
MMDadoda
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#52
Tetrachloroethene
Concen: 8.147 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 164 Resp: 1181696
Ion Ratio Lower Upper
164 100
166 128.3 97.6 146.4
129 106.4 82.9 124.3
131 106.7 80.6 120.8





#53

Toluene

Concen: 9.305 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3469486

Ion Ratio Lower Upper

91 100

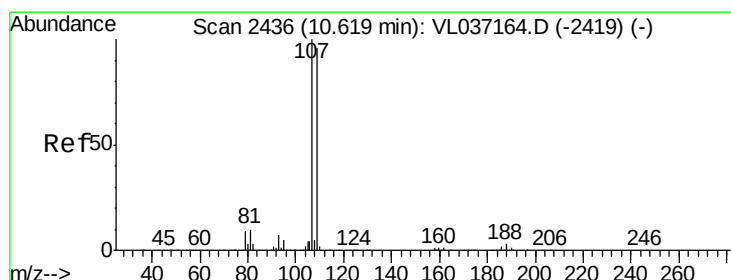
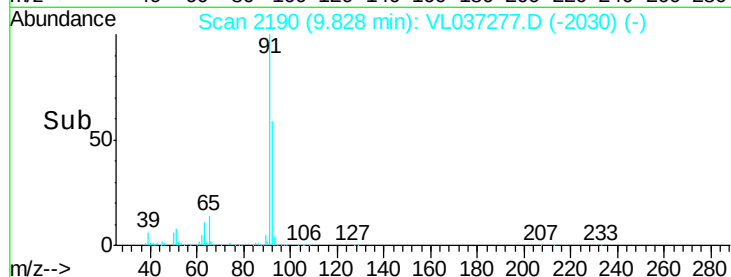
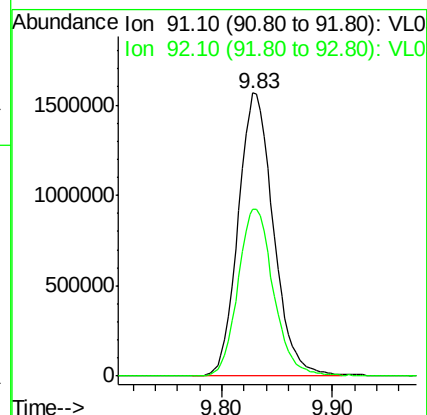
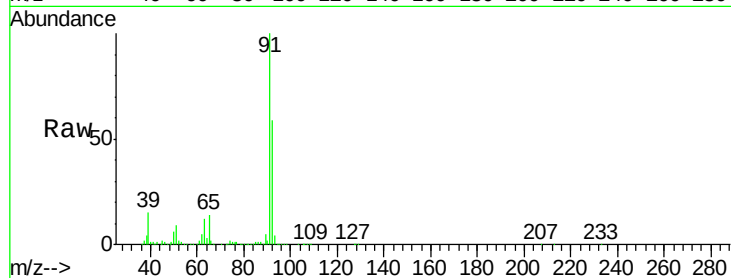
92 59.9 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 9.750 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.02 min

Lab File: VL037277.D

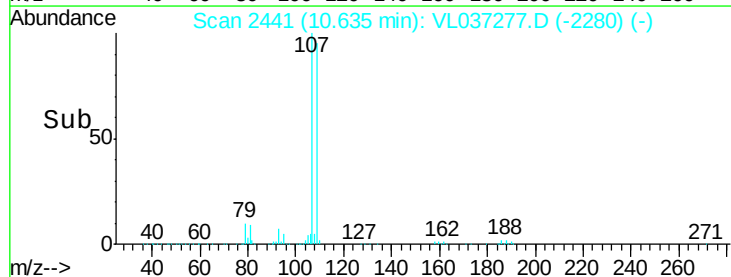
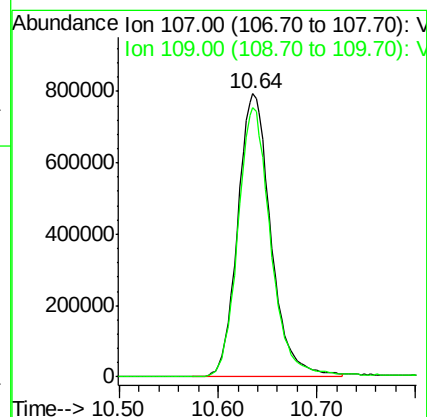
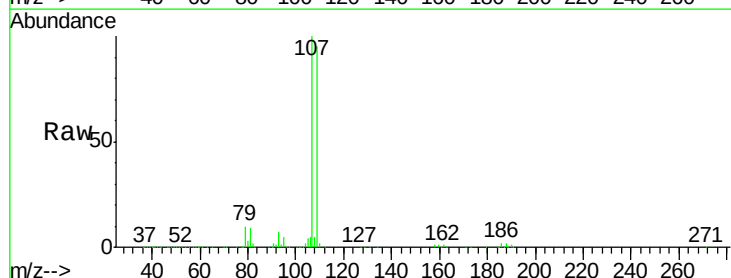
Acq: 2 Jul 2021 16:29

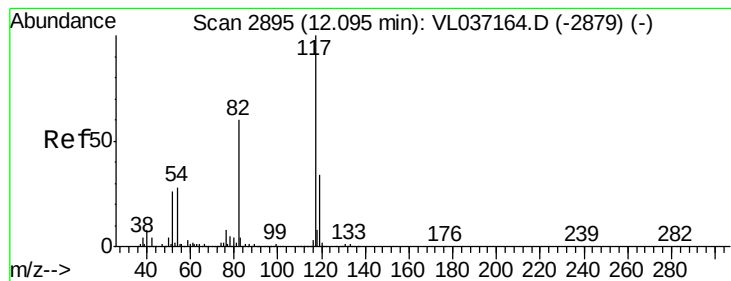
Tgt Ion: 107 Resp: 1854125

Ion Ratio Lower Upper

107 100

109 95.2 77.0 115.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.11 min Scan# 2900

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 3689854

Ion Ratio Lower Upper

117 100

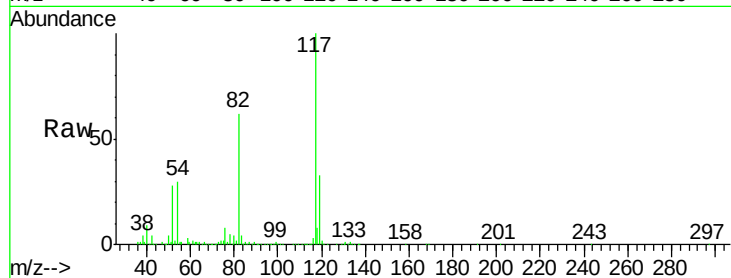
82 63.1 51.7 77.5

119 57.7 47.6 71.4

Manual Integrations
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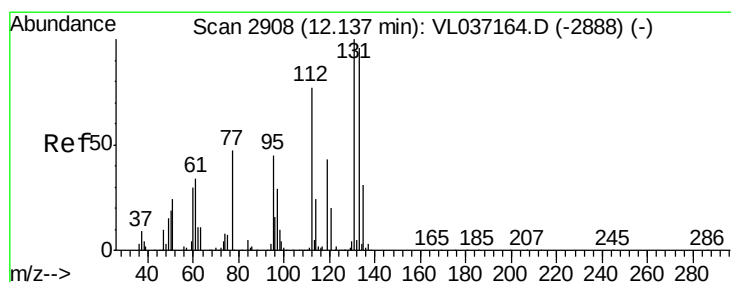
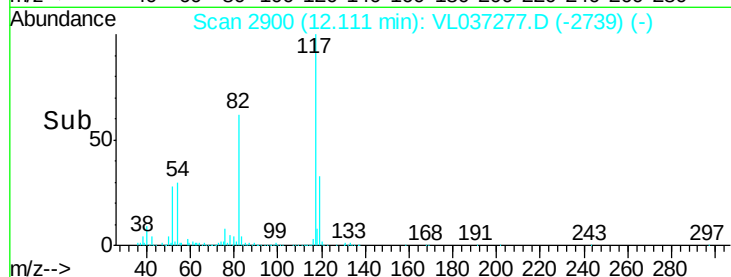
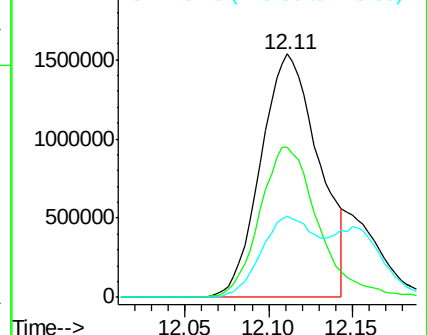
7/6/2021 6:44:38 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.572 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

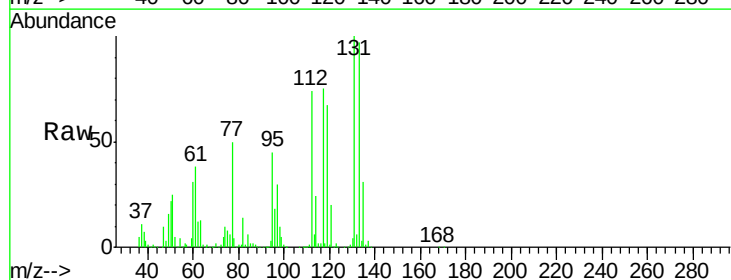
Tgt Ion:131 Resp: 1544141

Ion Ratio Lower Upper

131 100

133 96.1 76.5 114.7

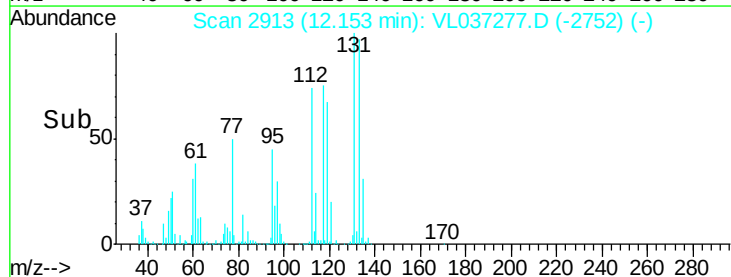
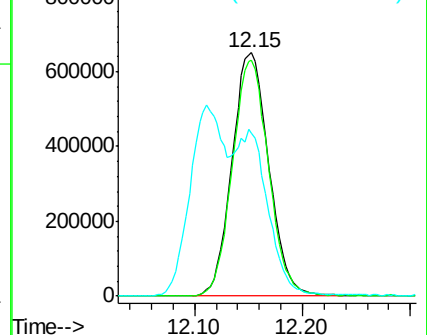
119 60.8 48.6 72.8

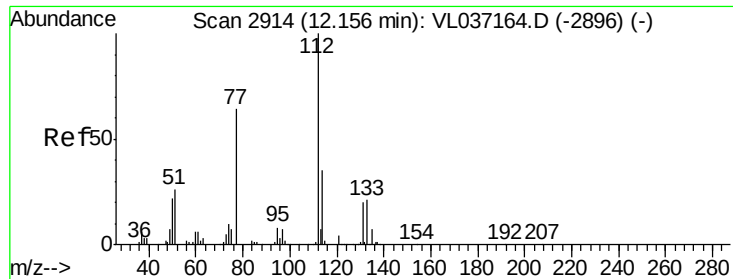


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





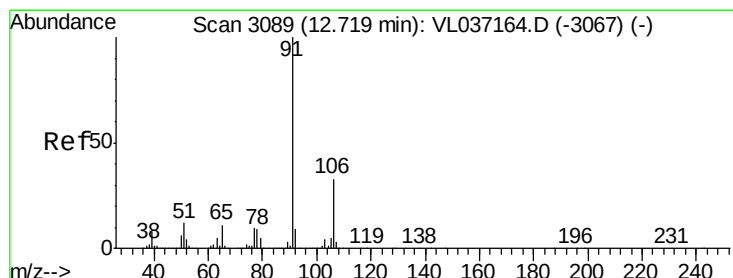
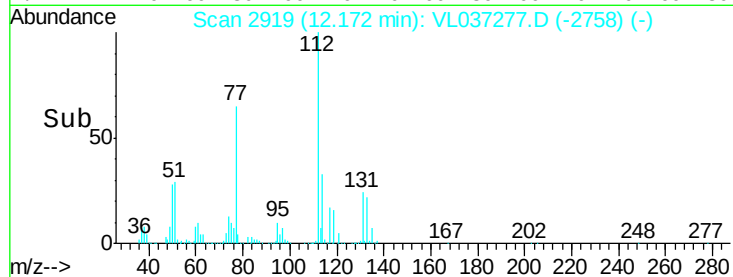
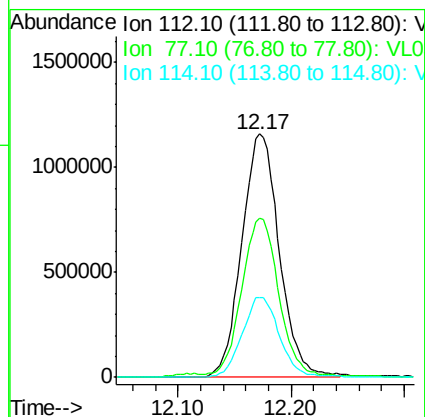
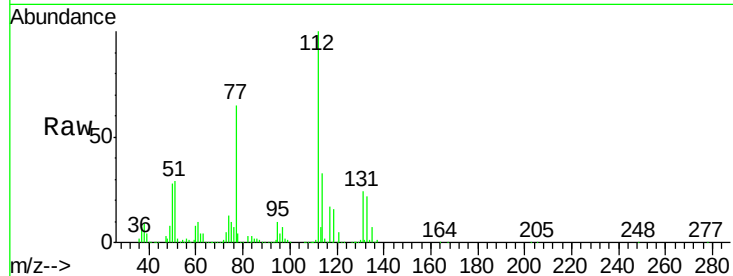
#57
Chlorobenzene
Concen: 8.930 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 2672122
Ion Ratio Lower Upper
112 100
77 64.6 52.2 78.4
114 32.7 31.1 38.1

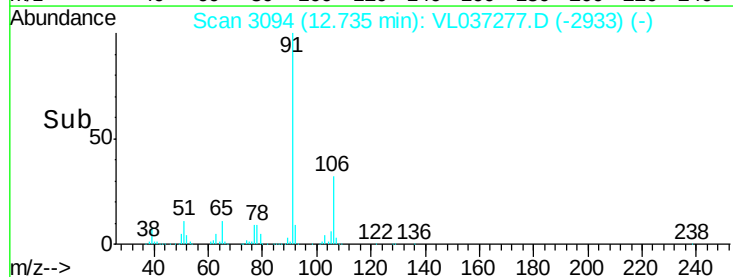
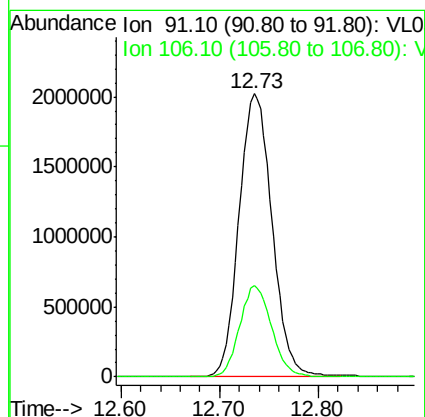
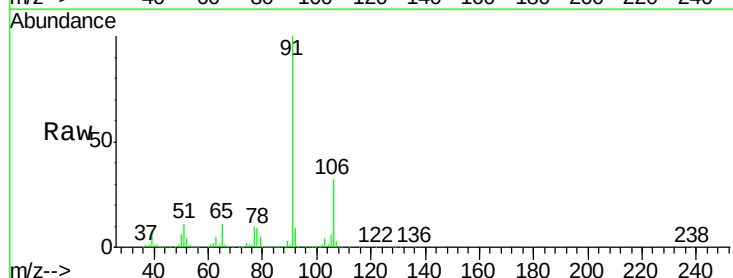
Manual Integrations
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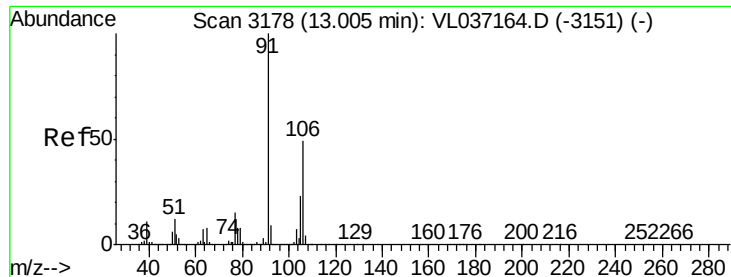
MMDadoda
7/6/2021 6:44:38 PM



#58
Ethyl Benzene
Concen: 9.253 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 91 Resp: 4700100
Ion Ratio Lower Upper
91 100
106 32.2 26.3 39.5





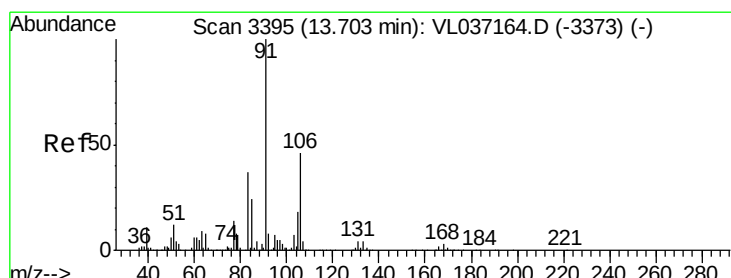
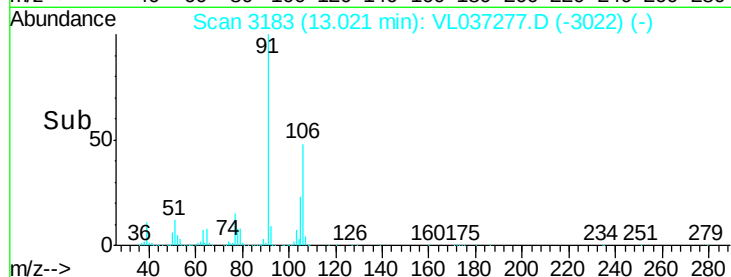
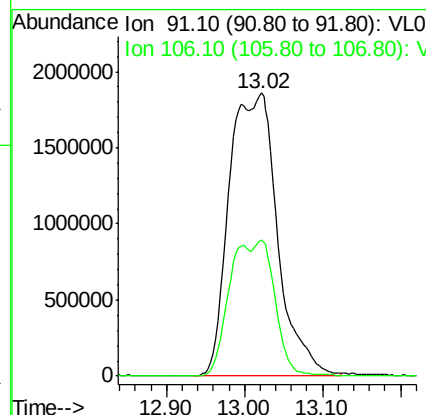
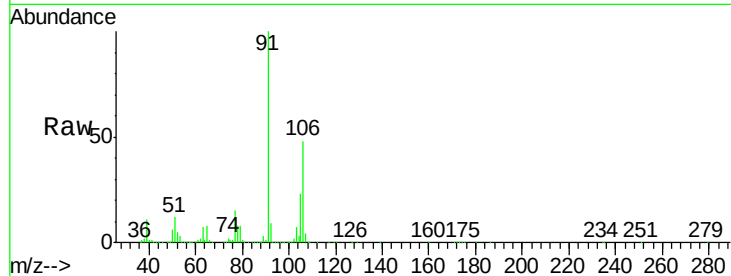
#59
m/p-Xylene
Concen: 18.582 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7999057
Ion Ratio Lower Upper
91 100
106 44.8 37.0 55.4

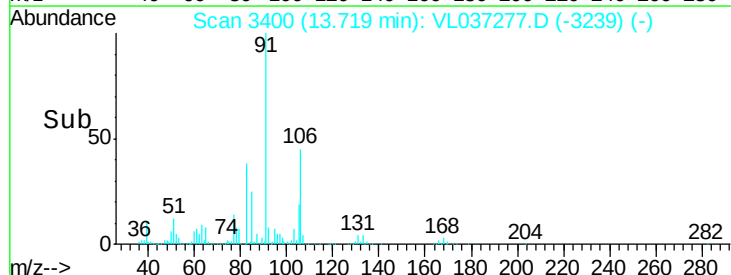
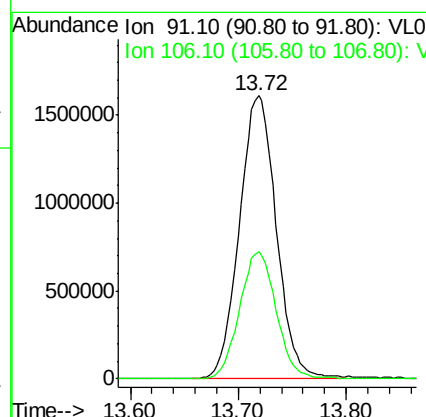
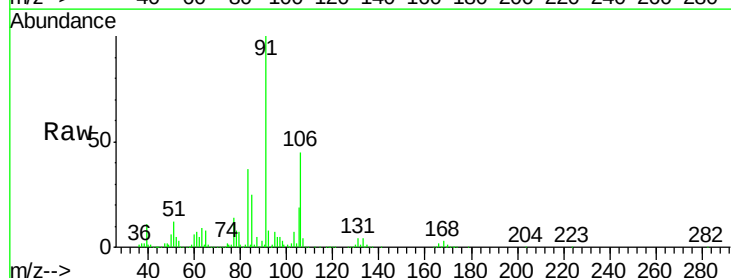
Manual Integrations
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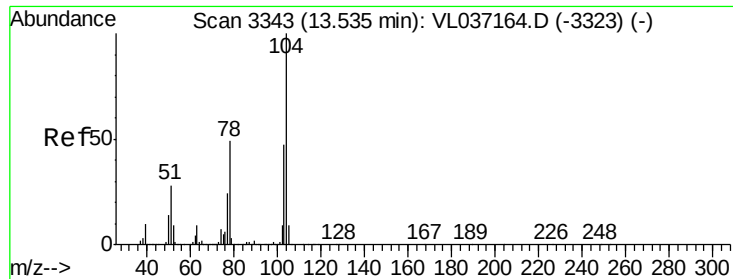
MMDadoda
7/6/2021 6:44:38 PM



#60
o-Xylene
Concen: 9.332 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 91 Resp: 3825222
Ion Ratio Lower Upper
91 100
106 45.1 23.0 69.0





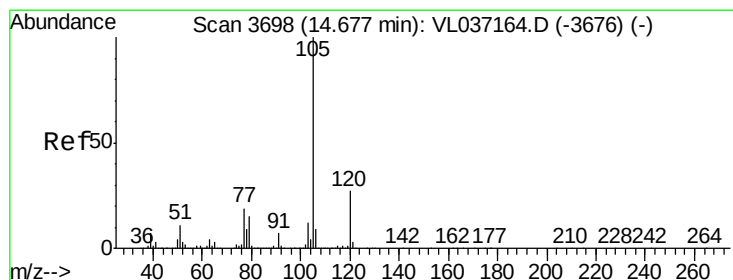
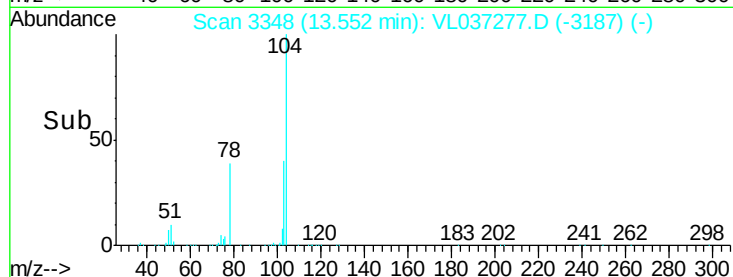
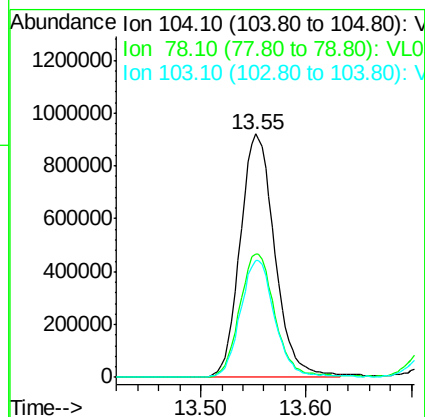
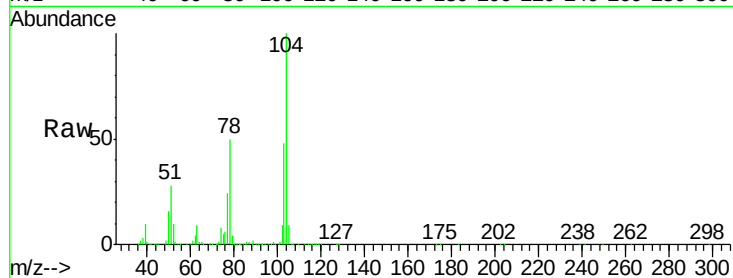
#61
Stvrene
Concen: 9.937 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 2102218
Ion Ratio Lower Upper
104 100
78 51.7 39.7 59.5
103 48.1 37.6 56.4

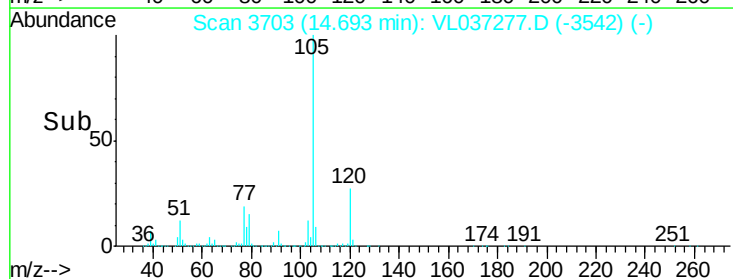
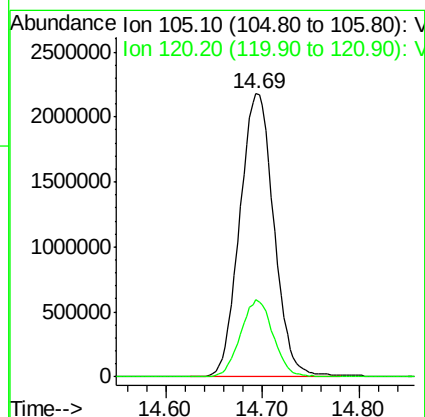
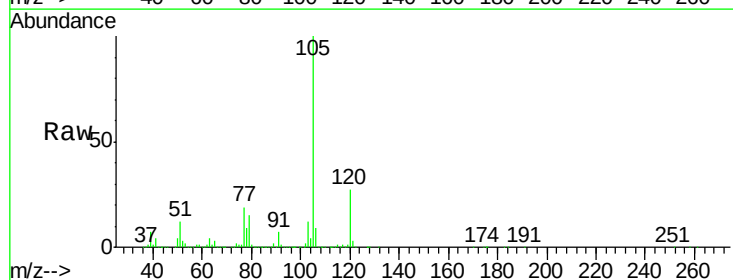
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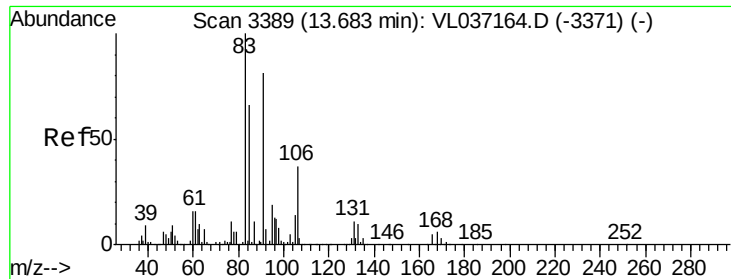
MMDadoda
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#62
Isopropylbenzene
Concen: 9.171 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion:105 Resp: 5345441
Ion Ratio Lower Upper
105 100
120 26.4 21.6 32.4





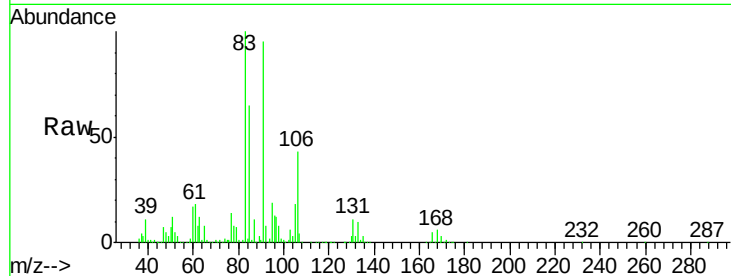
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.345 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. 0.02 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

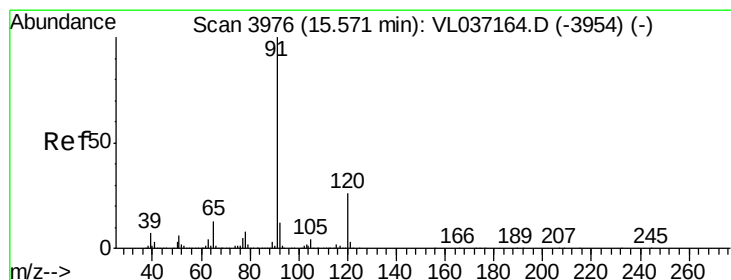
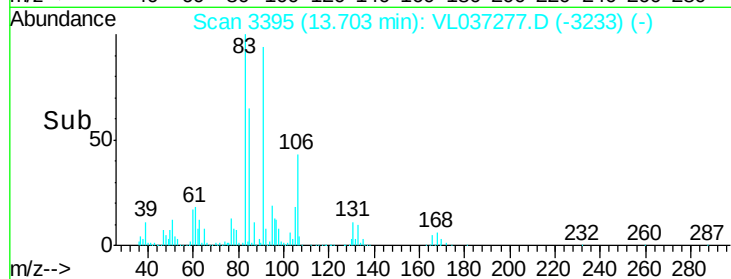
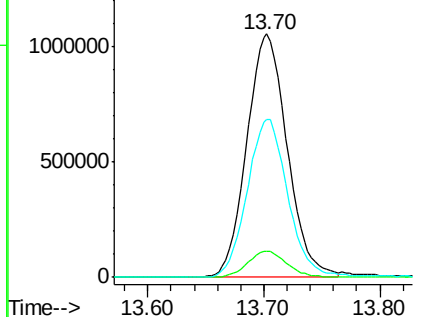
Tot Ion	83	Resp	2550530
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	66.3	33.1	99.2

Manual Integrations
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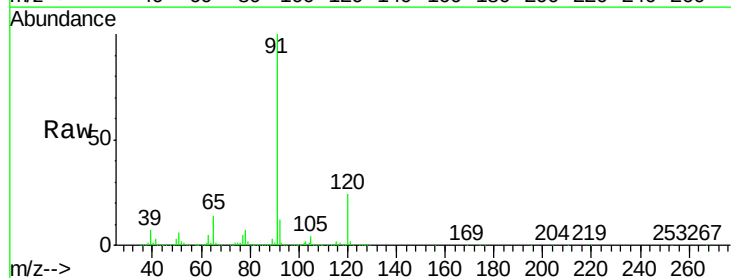


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

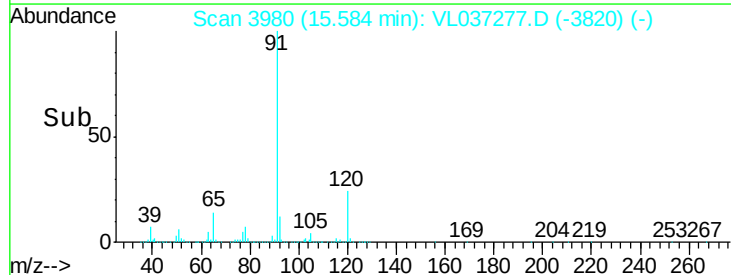
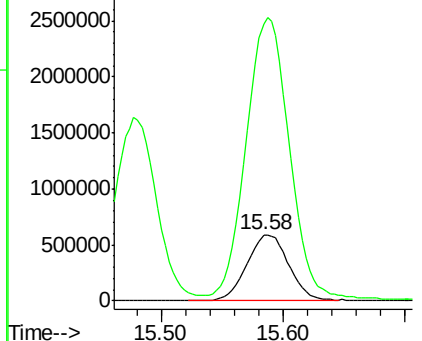


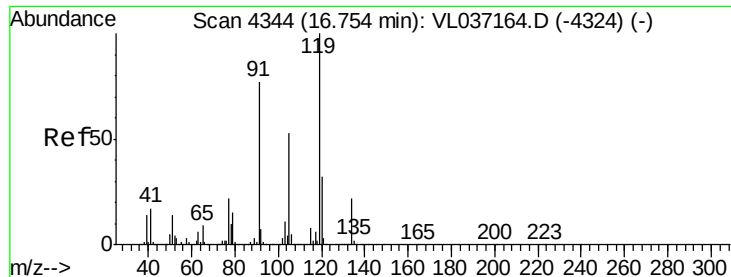
#64
 n-propylbenzene
 Concen: 9.542 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion	120	Resp	1392741
Ion Ratio	Lower	Upper	
120	100		
91	451.8	343.3	514.9



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0





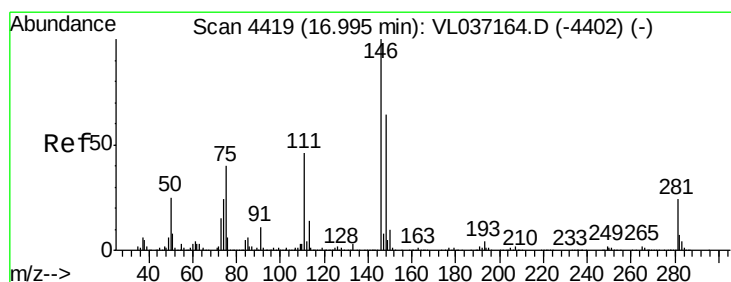
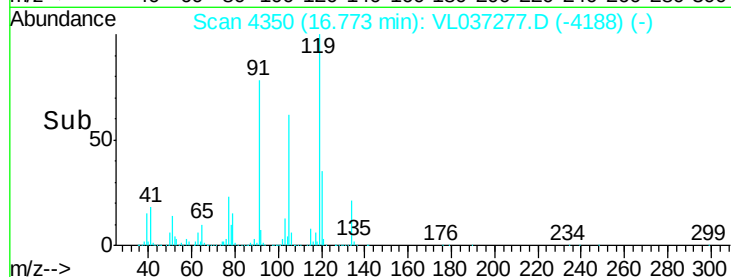
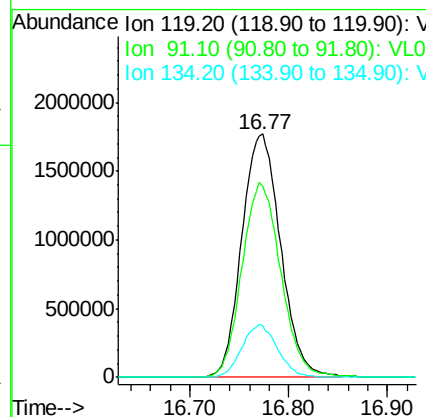
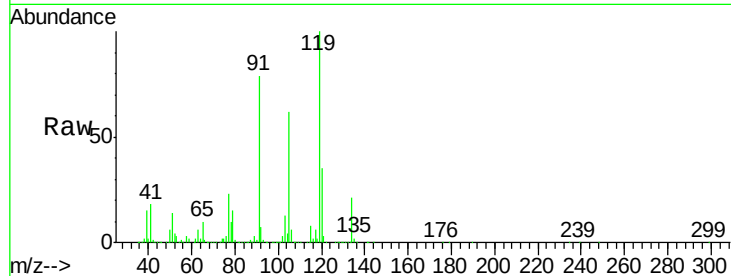
#65
tert-Butylbenzene
Concen: 9.324 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 4820091
Ion Ratio Lower Upper
119 100
91 80.0 62.6 93.8
134 20.1 16.2 24.4

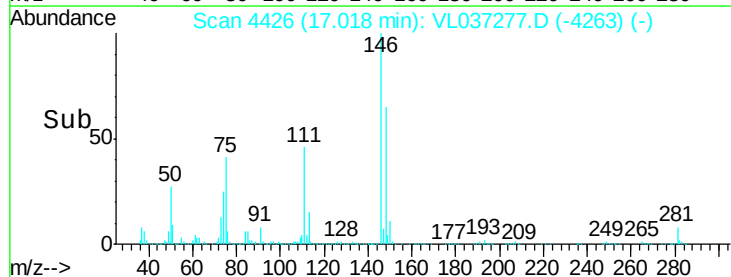
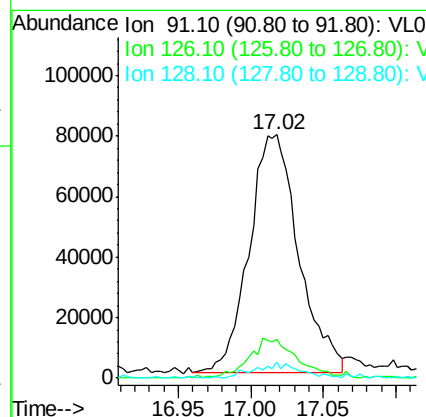
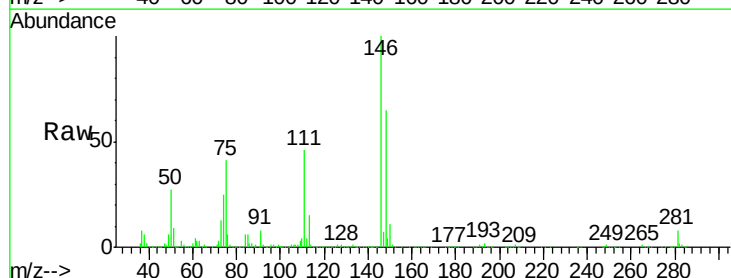
Manual Integrations
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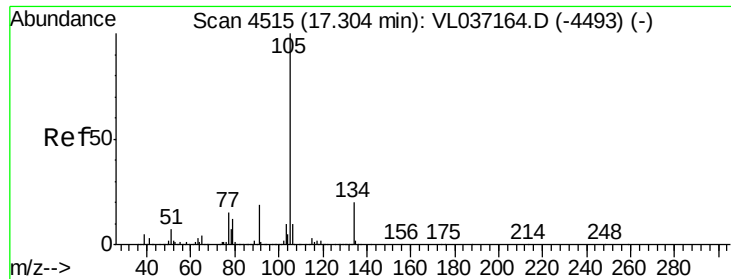
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#66
Benzyl Chloride
Concen: 8.516 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion: 91 Resp: 186561
Ion Ratio Lower Upper
91 100
126 16.8 15.5 23.3
128 6.0 5.7 8.5





#67

sec-Butylbenzene

Concen: 9.411 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6487438

Ion Ratio Lower Upper

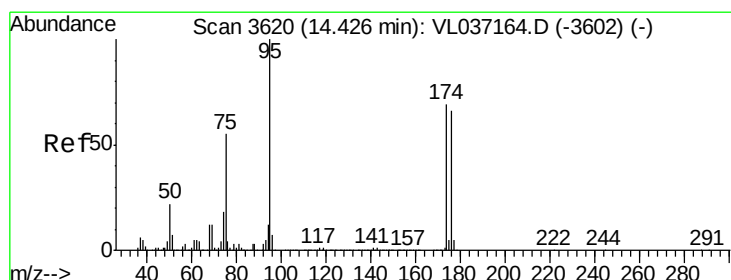
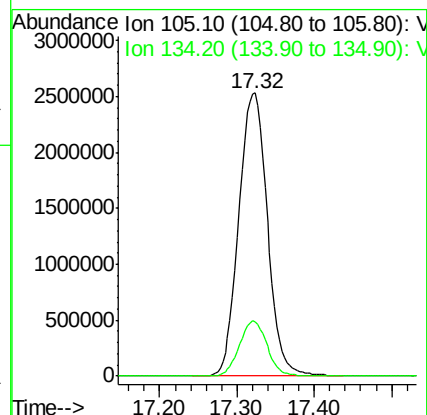
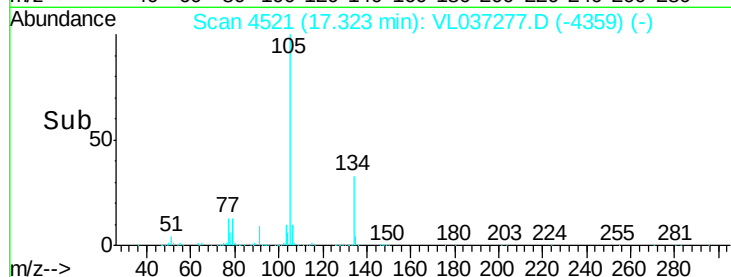
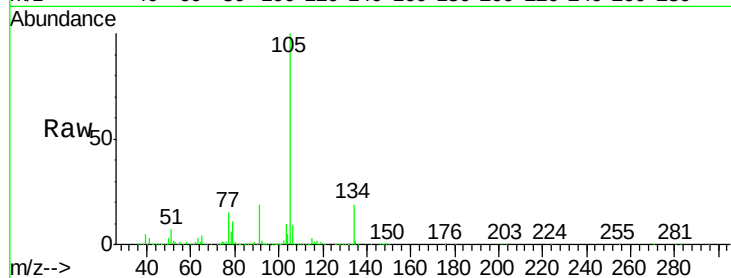
105 100

134 19.0 15.8 23.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.203 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

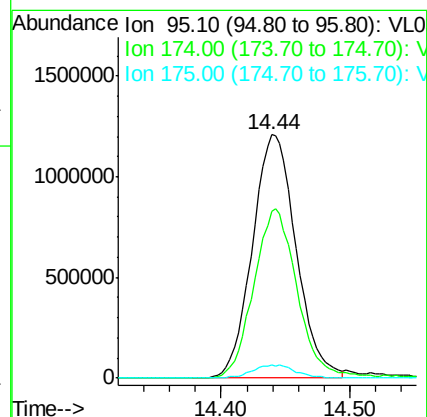
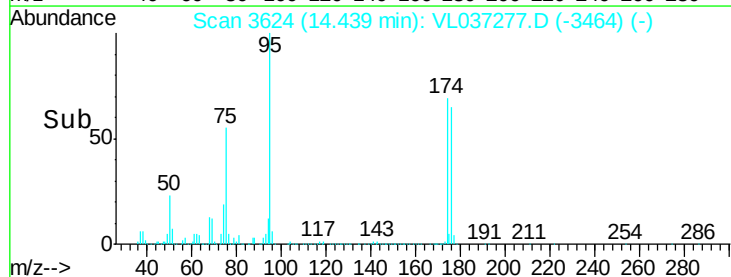
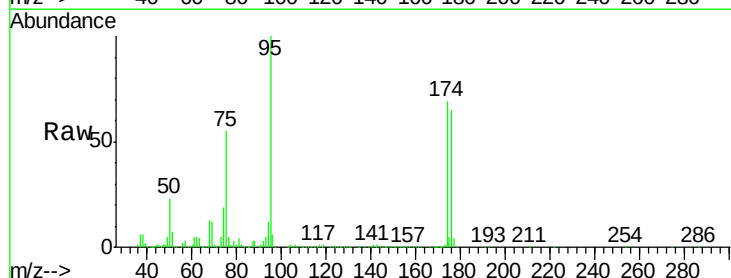
Tgt Ion: 95 Resp: 2852886

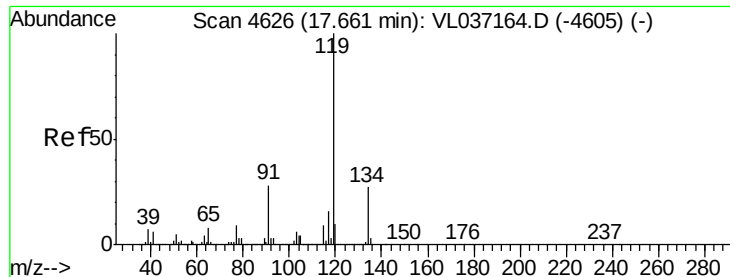
Ion Ratio Lower Upper

95 100

174 70.5 57.0 85.4

175 5.4 4.4 6.6





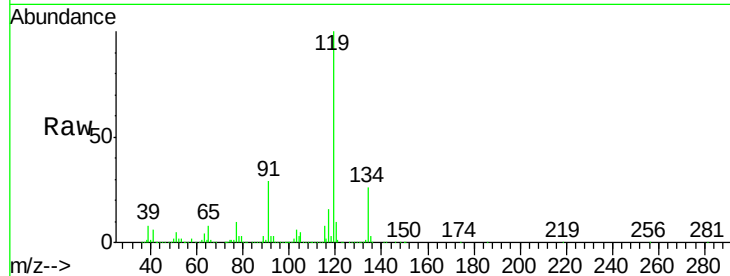
#69
 p-Isopropyltoluene
 Concen: 9.626 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.02 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

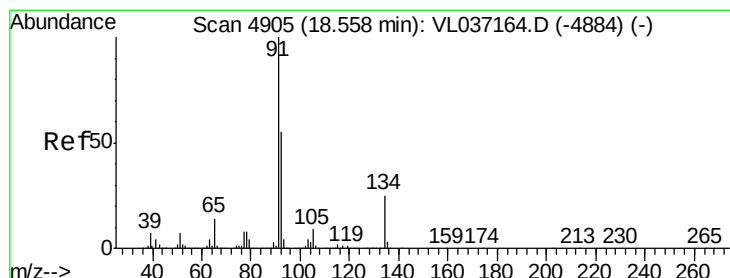
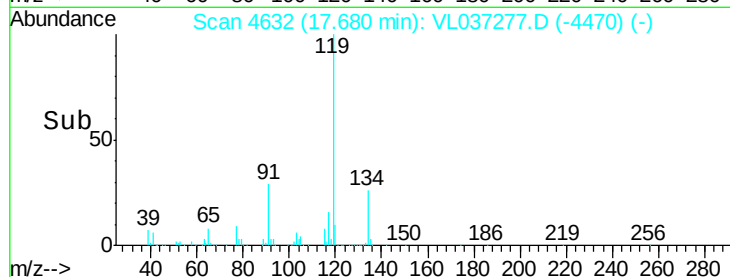
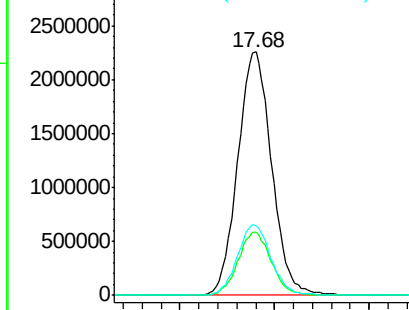
Tot Ion: 119 Resp: 5604574
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.9 31.3
 91 28.7 22.6 34.0

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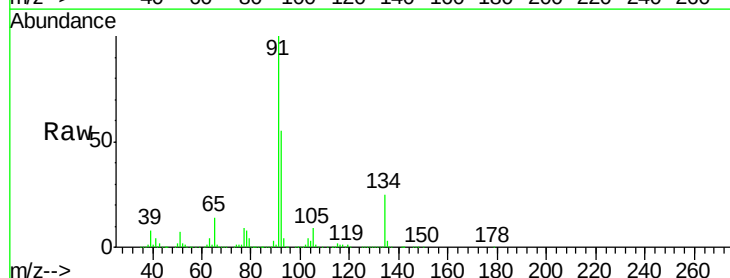


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

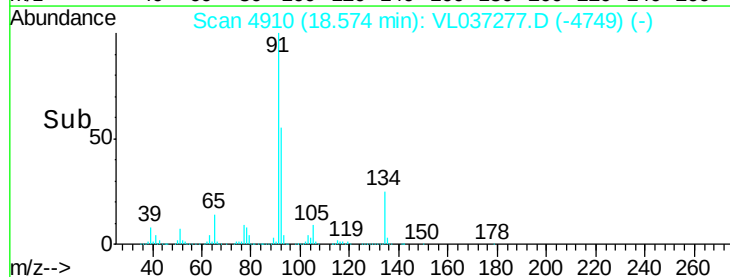
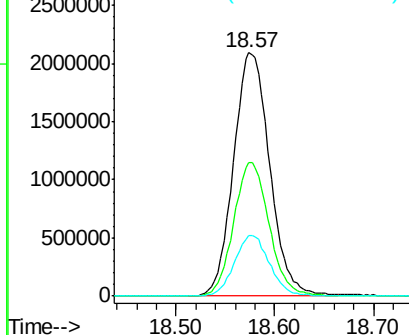


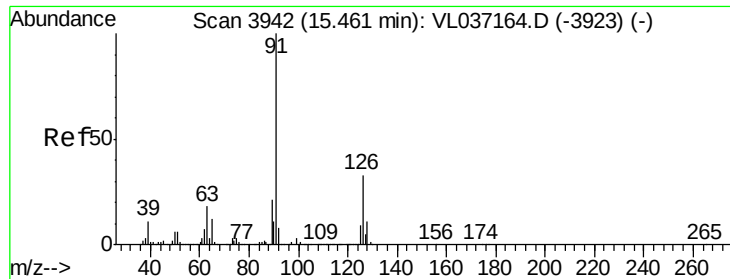
#70
 n-Butylbenzene
 Concen: 9.896 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.02 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion: 91 Resp: 5332888
 Ion Ratio Lower Upper
 91 100
 92 53.9 44.0 66.0
 134 24.3 20.2 30.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.486 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3865361

Ion Ratio Lower Upper

91 100

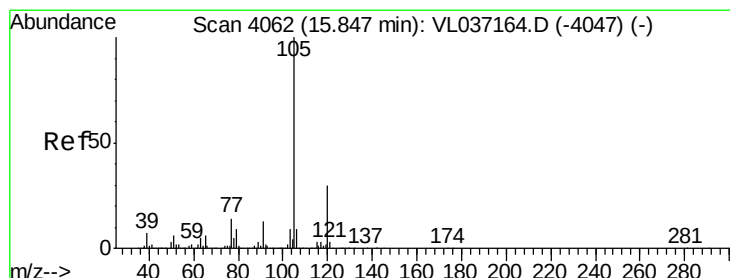
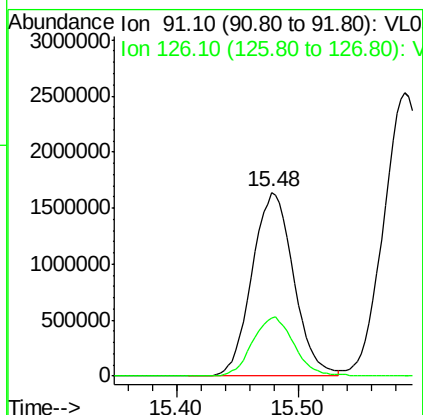
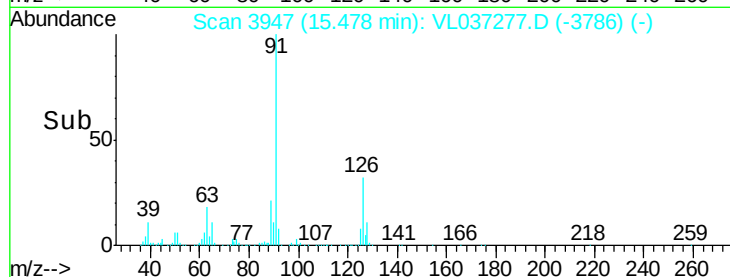
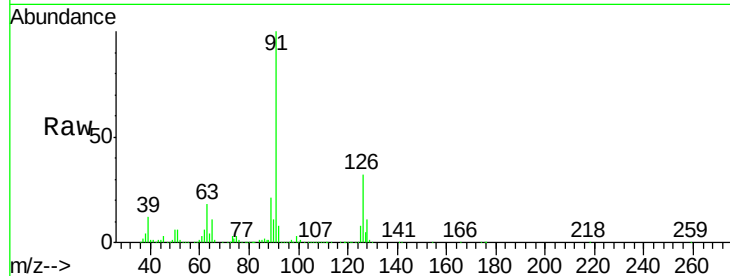
126 32.7 13.5 54.1

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#72

4-Ethyltoluene

Concen: 9.952 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Tgt Ion: 105 Resp: 4633992

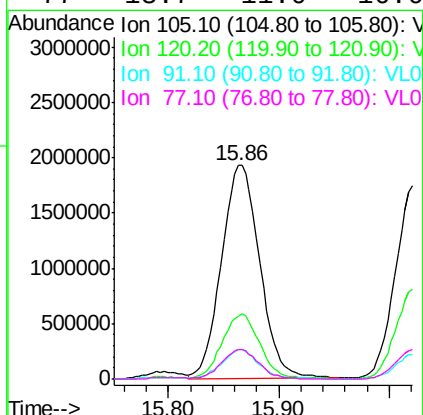
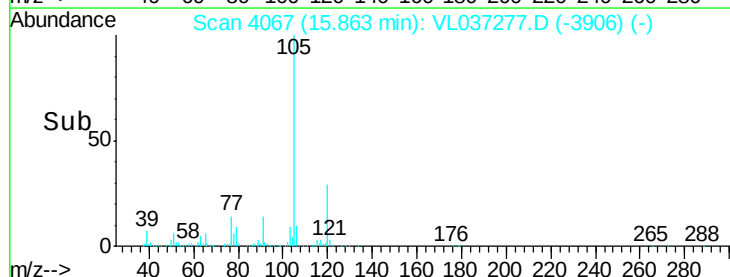
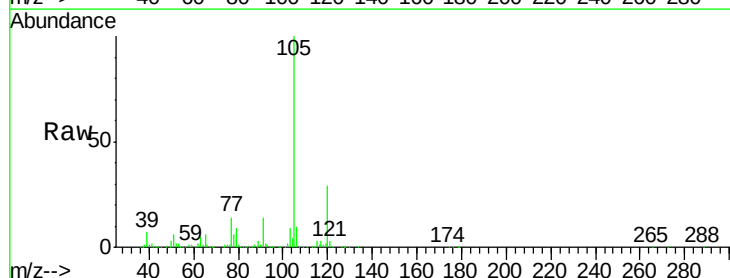
Ion Ratio Lower Upper

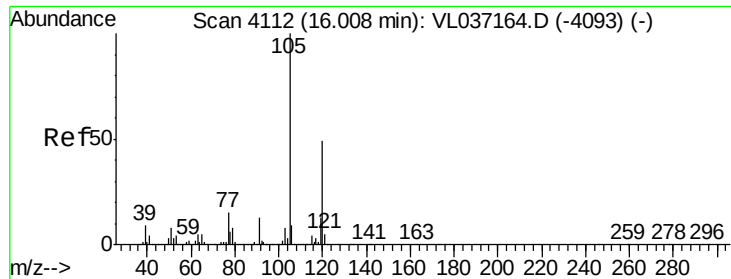
105 100

120 30.1 24.7 37.1

91 12.9 10.2 15.4

77 13.7 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.318 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4193987

Ion Ratio Lower Upper

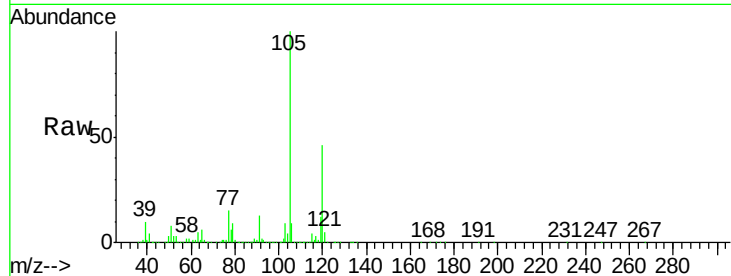
105 100

120 46.6 39.4 59.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

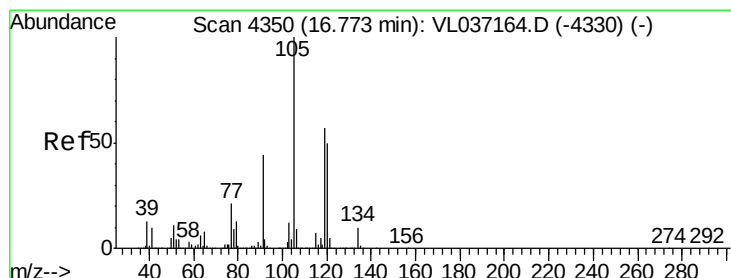
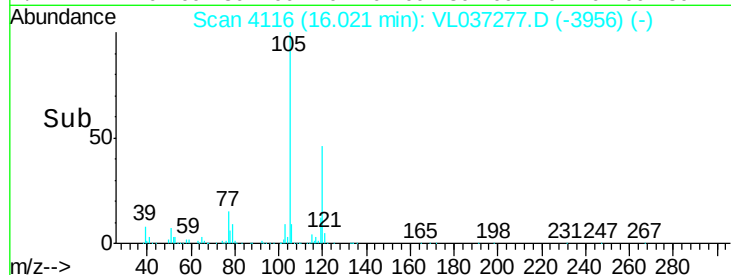
0

16.02

15.90

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.462 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Tgt Ion:105 Resp: 4388027

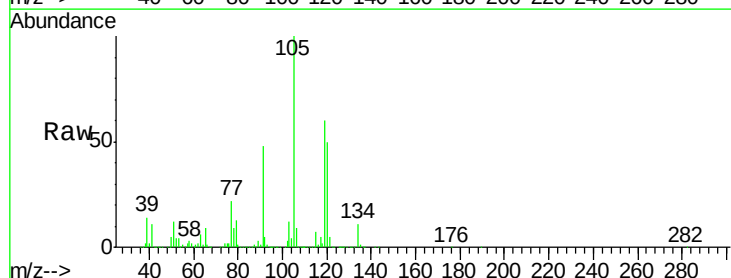
Ion Ratio Lower Upper

105 100

120 49.5 39.8 59.8

91 47.5 37.0 55.4

77 21.9 17.0 25.4



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

2500000

2000000

1500000

1000000

500000

0

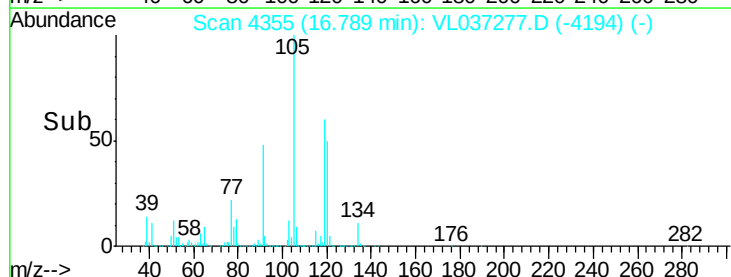
16.79

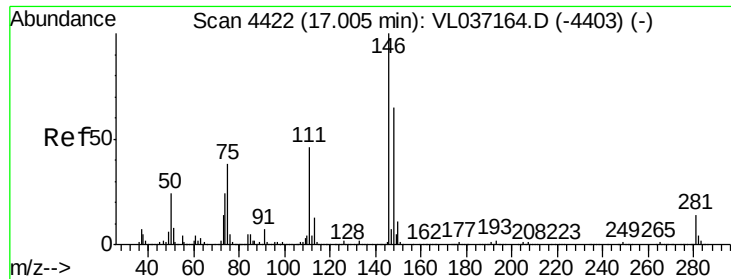
16.70

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.275 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2615280

Ion Ratio Lower Upper

146 100

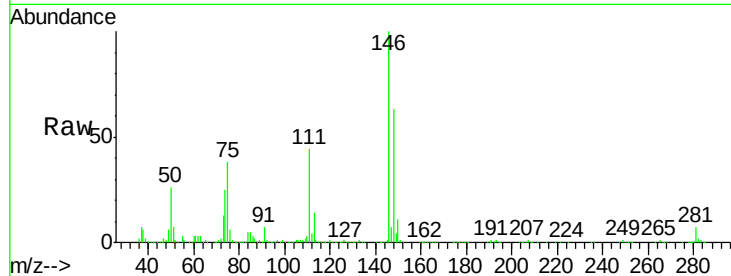
111 45.8 22.2 66.6

148 64.4 32.4 97.2

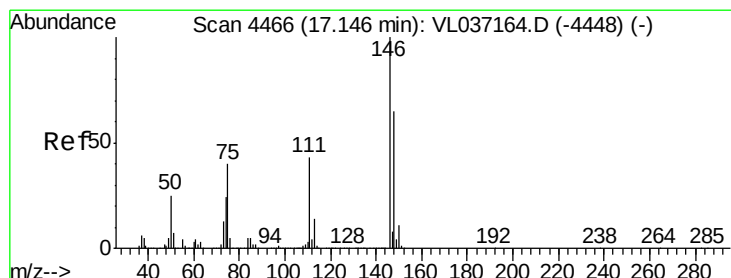
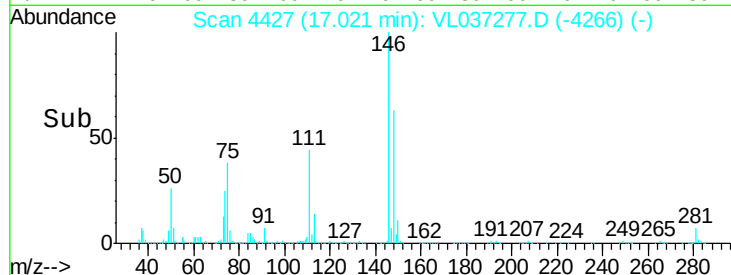
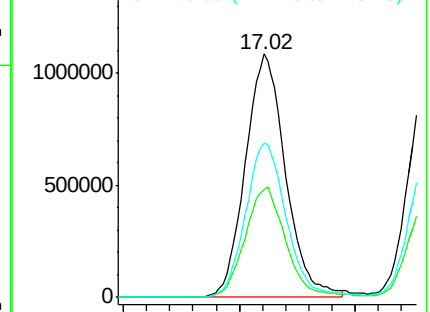
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.908 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. 0.02 min

Lab File: VL037277.D

Acq: 2 Jul 2021 16:29

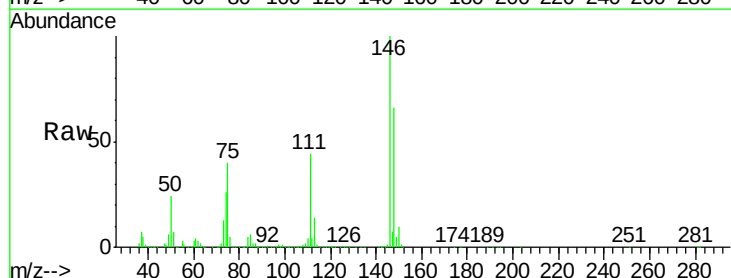
Tgt Ion:146 Resp: 2509014

Ion Ratio Lower Upper

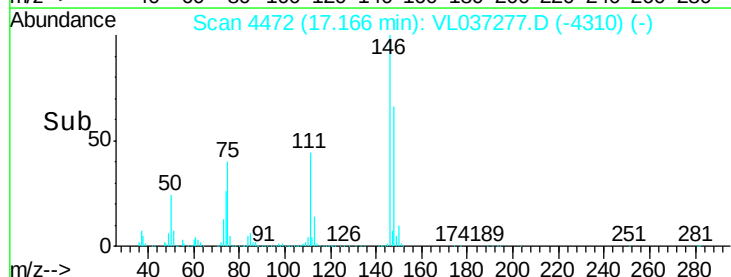
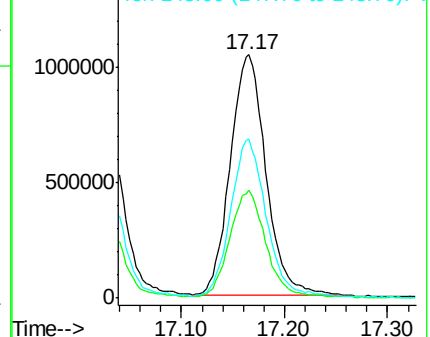
146 100

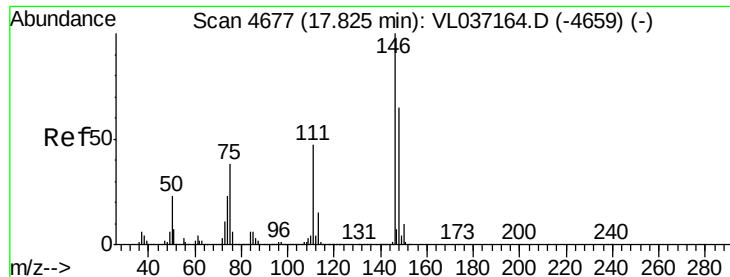
111 45.9 22.7 68.0

148 67.1 33.7 101.1



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





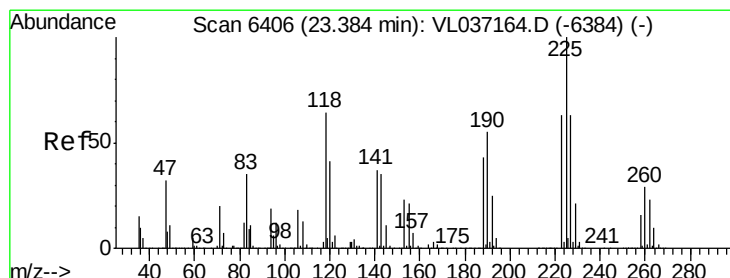
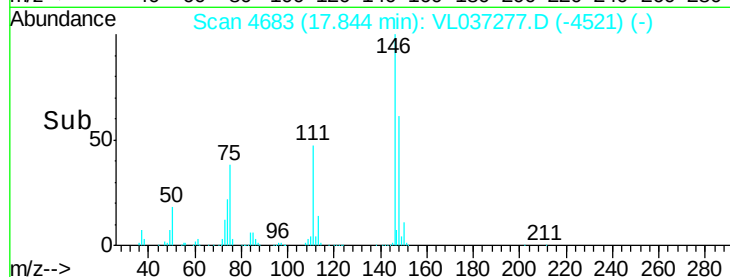
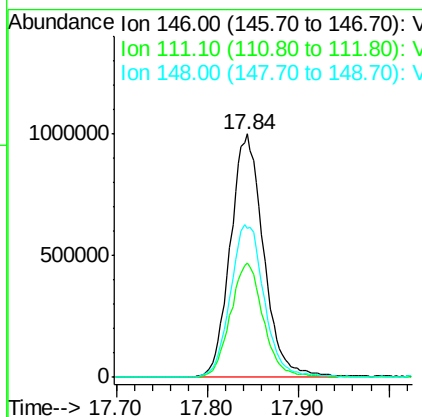
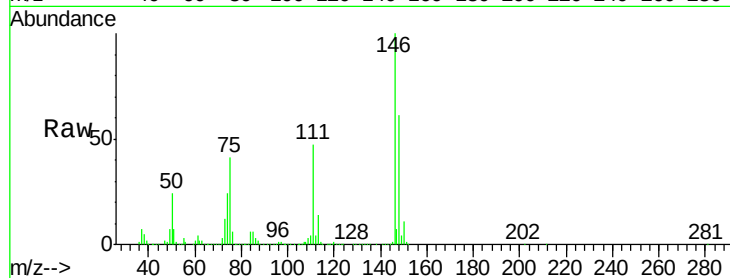
#77
 1,2-Dichlorobenzene
 Concen: 9.212 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. 0.02 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.3	69.8
148	64.6	32.4	97.0

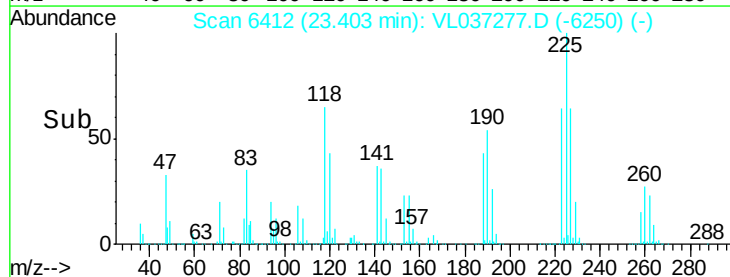
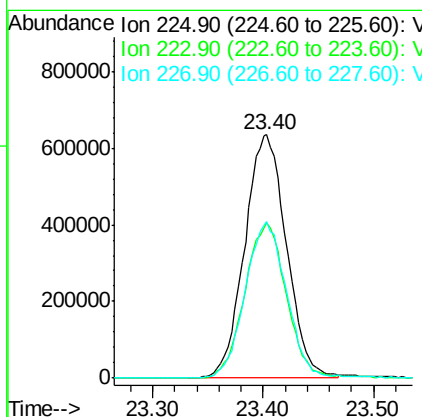
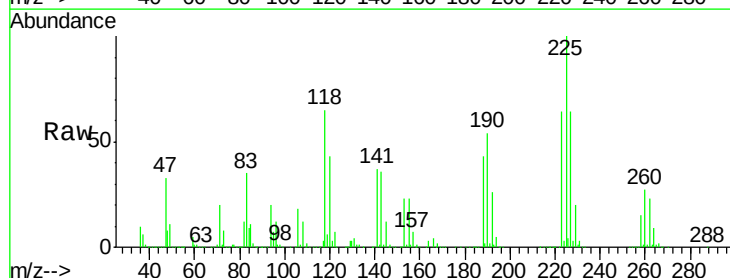
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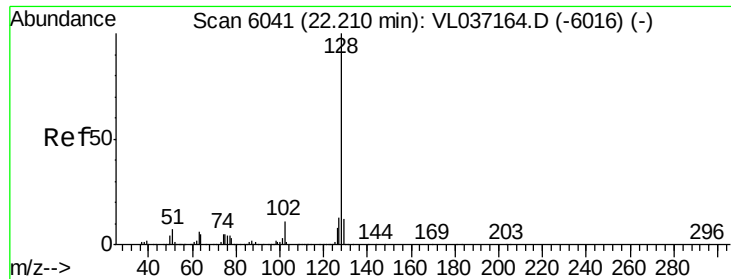
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.086 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. 0.02 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.8	77.8
227	64.1	51.4	77.0





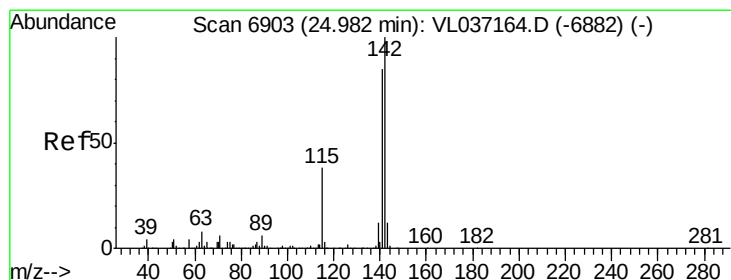
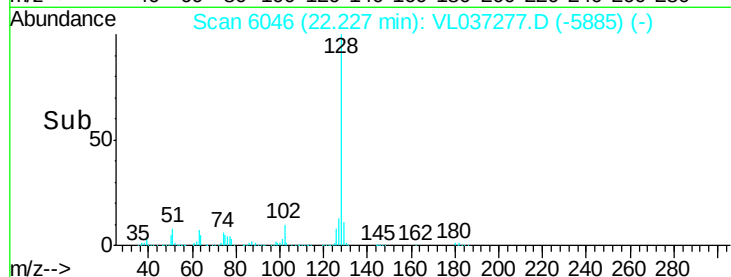
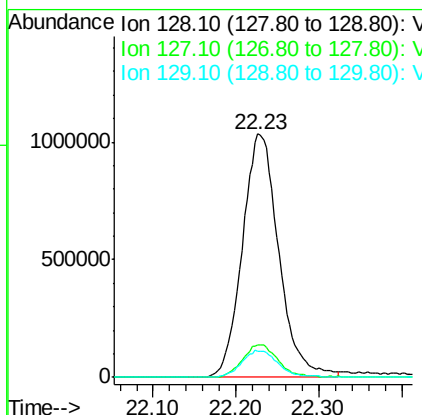
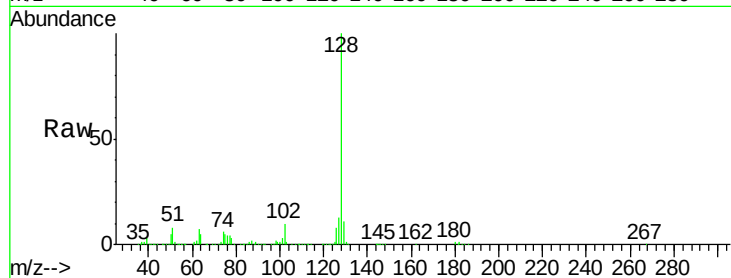
#79
Naphthalene
Concen: 8.157 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. 0.02 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	9.3	13.9

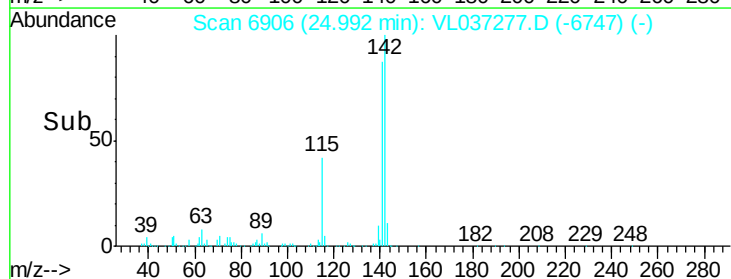
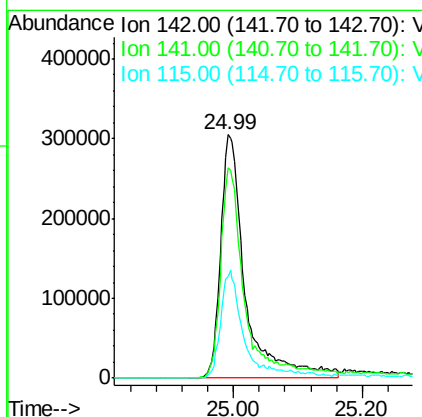
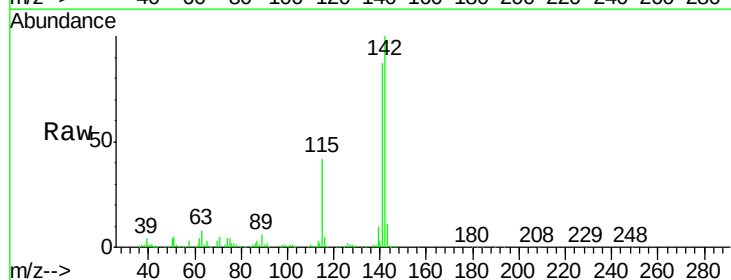
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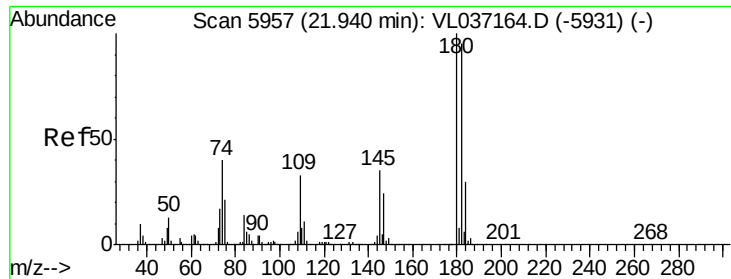
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#80
Naphthalene, 2-methyl-
Concen: 8.057 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037277.D
Acq: 2 Jul 2021 16:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	63.7	95.5
115	41.1	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.176 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. 0.02 min
 Lab File: VL037277.D
 Acq: 2 Jul 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	79.3	118.9
184	31.3	24.7	37.1

Manual Integrations
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