

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037350.D
 Acq On : 6 Aug 2021 19:18
 Operator : SY/AP
 Sample : VL0806ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0806ABS01

Manual Integrations
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 8/10/2021 6:09:42 PM

Quant Time: Aug 07 01:47:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	932618	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3079355	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2631745m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1852978	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1619207	7.663	ppbv 98
3) Chlorodifluoromethane	2.99	51	1768259	9.507	ppbv 99
4) Chloromethane	3.14	50	632580	9.951	ppbv 97
5) Vinyl Chloride	3.26	62	689458	8.982	ppbv 100
6) Bromomethane	3.47	94	383426	10.015	ppbv 97
7) Chloroethane	3.56	64	243739	9.477	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1738245	9.583	ppbv 99
9) Propene	3.01	41	590390	9.458	ppbv 99
10) Heptane	8.11	43	1470203	10.135	ppbv 100
11) Trichlorofluoromethane	3.95	101	1792924	9.896	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1305730	9.693	ppbv 100
13) Ethanol	3.61	45	91651m	7.961	ppbv
14) Bromoethene	3.74	108	586777	10.239	ppbv 100
15) Acetone	3.85	43	825218	8.491	ppbv 98
16) 1,3-Butadiene	3.32	39	608908	9.321	ppbv 97
17) tert-Butyl alcohol	4.29	59	1081293	10.453	ppbv 98
18) 1,1-Dichloroethene	4.29	96	598583	10.213	ppbv 97
19) Isopropyl Alcohol	3.97	45	580551	9.869	ppbv # 98
20) Methylene Chloride	4.34	84	502978	6.180	ppbv 99
21) Allyl Chloride	4.41	41	741609	9.228	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	561819	9.848	ppbv 97
23) Vinyl Acetate	5.07	43	1466514	10.873	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1285482	11.075	ppbv 99
25) Ethyl Acetate	5.67	43	2301570	9.574	ppbv 99
26) Hexane	5.68	57	1168400	8.602	ppbv 99
27) Carbon Disulfide	4.55	76	1351643	11.462	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1489654	11.011	ppbv 99
29) Chloroform	5.75	83	1808183	9.923	ppbv 97
30) Cyclohexane	7.12	84	1045574	9.870	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1116614	10.415	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	1855794	9.606	ppbv 99
34) 2-Butanone	5.24	43	1003024	9.701	ppbv 99
35) Carbon Tetrachloride	7.01	117	2004873	10.404	ppbv 100
36) Benzene	6.89	78	2448161	10.373	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1277881	10.354	ppbv 99
38) Trichloroethene	7.83	130	1061805	9.182	ppbv 97
39) 1,2-Dichloropropane	7.61	63	925353	10.760	ppbv 98
40) 1,4-Dioxane	7.83	88	238448	9.445	ppbv # 100
41) Tetrahydrofuran	6.04	42	528488	10.390	ppbv 100
42) Bromodichloromethane	7.78	83	1932782	10.892	ppbv 99
43) Methyl Methacrylate	8.01	69	855269	11.136	ppbv 100

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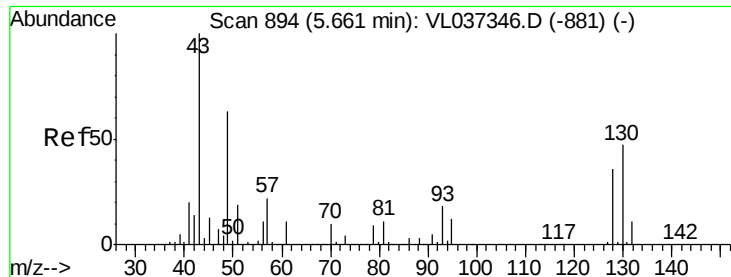
Manual Integrations
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 8/10/2021 6:09:42 PM

Quant Time: Aug 07 01:47:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3995676	10.125	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	643073	12.913	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	851348	12.013	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1025493	10.323	ppbv	97
48) Dibromochloromethane	10.30	129	1697814	11.067	ppbv	95
49) Bromoform	13.03	173	1276081	11.368	ppbv	89
50) 4-Methyl-2-Pentanone	8.74	43	1510805	10.655	ppbv	99
51) 2-Hexanone	10.13	43	771147	10.854	ppbv #	98
52) Tetrachloroethene	11.21	164	1024364	9.101	ppbv	98
53) Toluene	9.80	91	2889404	10.503	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1431119	10.428	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1164747	10.445	ppbv #	86
57) Chlorobenzene	12.14	112	2083780	10.105	ppbv	100
58) Ethyl Benzene	12.70	91	3633962	10.563	ppbv	98
59) m/p-Xylene	12.99	91	6259360m	20.924	ppbv	
60) o-Xylene	13.68	91	2769270	9.988	ppbv	93
61) Styrene	13.52	104	1593883	11.162	ppbv	98
62) Isopropylbenzene	14.66	105	4063870	9.954	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	1961284	9.021	ppbv	95
64) n-propylbenzene	15.55	120	1079981	10.432	ppbv	81
65) tert-Butylbenzene	16.73	119	3961801	10.585	ppbv	99
66) Benzyl Chloride	16.98	91	164494	11.042	ppbv	97
67) sec-Butylbenzene	17.28	105	5346147	10.789	ppbv	100
69) p-Isopropyltoluene	17.64	119	4699214	10.982	ppbv	100
70) n-Butylbenzene	18.54	91	4406530	11.538	ppbv	100
71) 2-Chlorotoluene	15.44	91	2834478	10.350	ppbv	95
72) 4-Ethyltoluene	15.83	105	3768938	11.493	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3338036	10.779	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3533447	10.870	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2216778	10.774	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2179337	10.799	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2177143	10.905	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1609284	10.194	ppbv	100
79) Naphthalene	22.18	128	2960049	12.880	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	474608	11.363	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1769688	11.893	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

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MSVOA_L

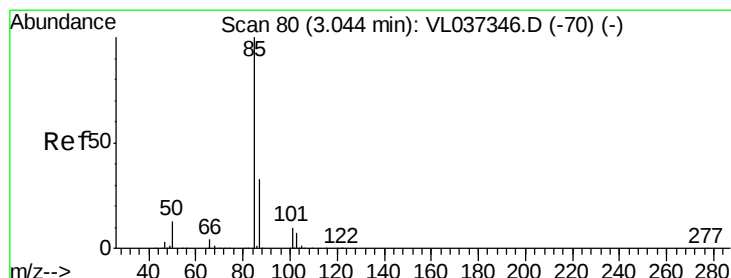
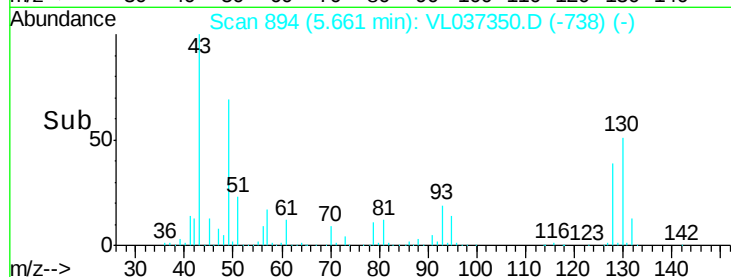
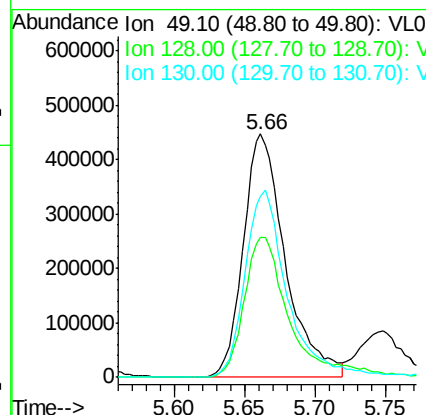
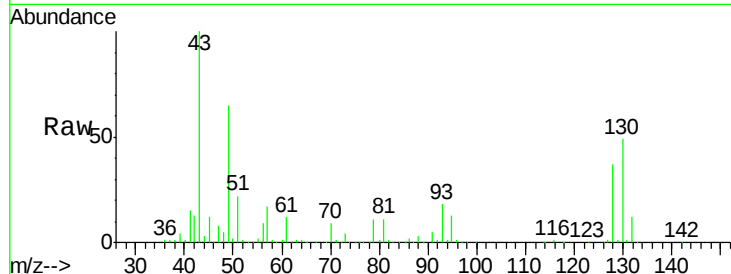
ClientSampleId :

VL0806ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	63.5	32.1	96.3
130	79.2	40.0	120.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.663 ppbv

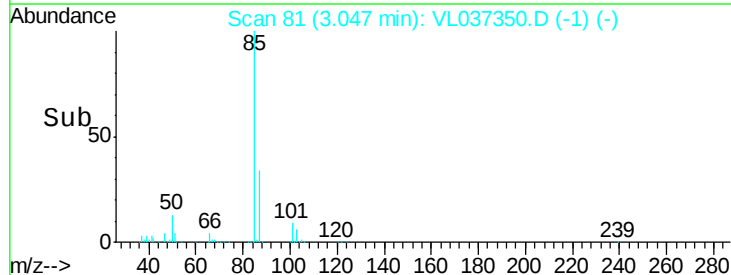
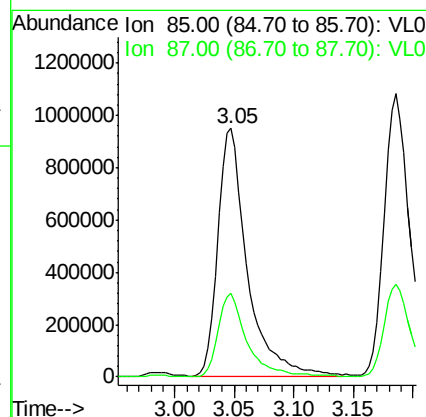
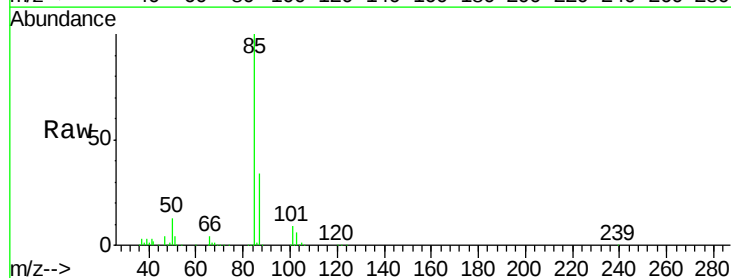
RT: 3.05 min Scan# 81

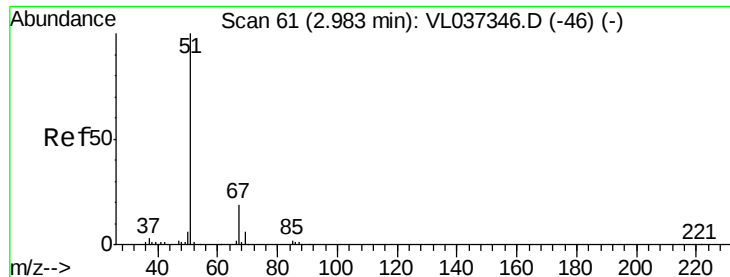
Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.4	39.6





#3

Chlorodifluoromethane

Concen: 9.507 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Tot Ion: 51 Resp: 1768259

Ion Ratio Lower Upper

51 100

67 19.2 15.6 23.4

Instrument :

MSVOA_L

ClientSampleId :

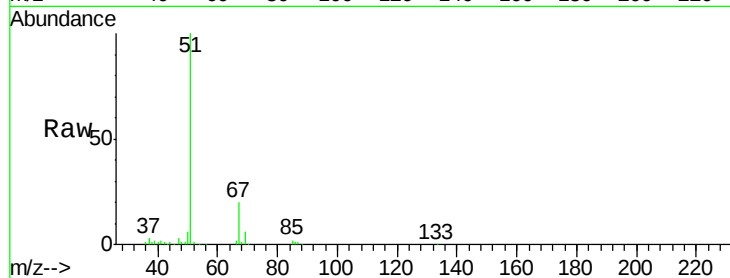
VL0806ABS01

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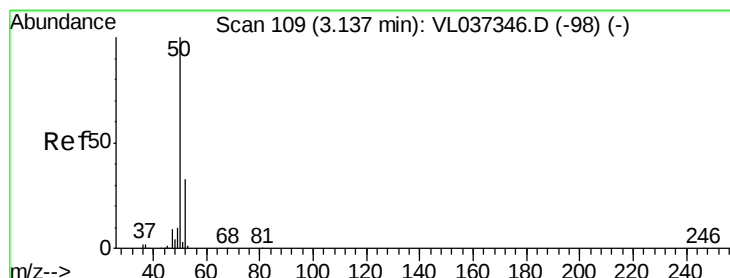
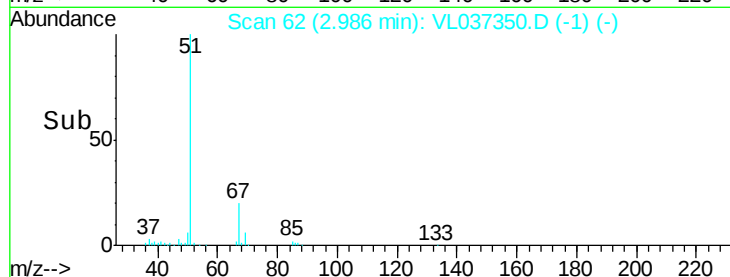
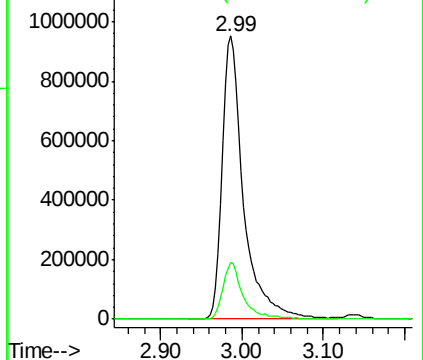
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.951 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL037350.D

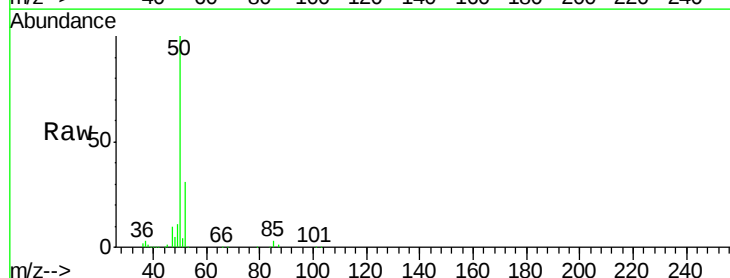
Acq: 6 Aug 2021 19:18

Tgt Ion: 50 Resp: 632580

Ion Ratio Lower Upper

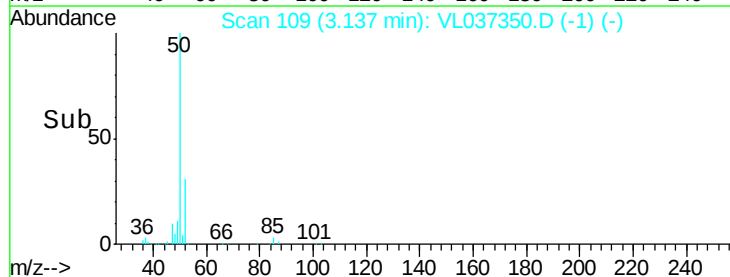
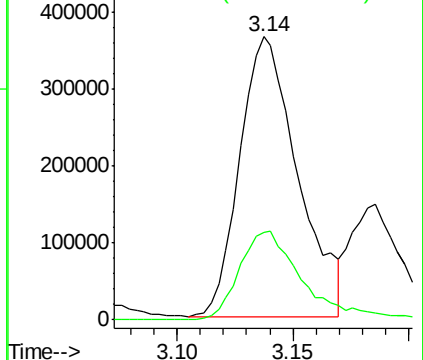
50 100

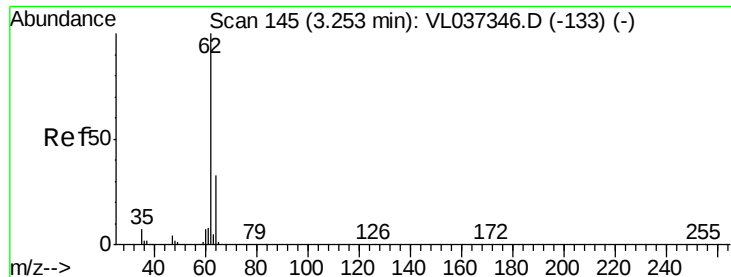
52 31.4 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.982 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 62 Resp: 689458

Ion Ratio Lower Upper

62 100

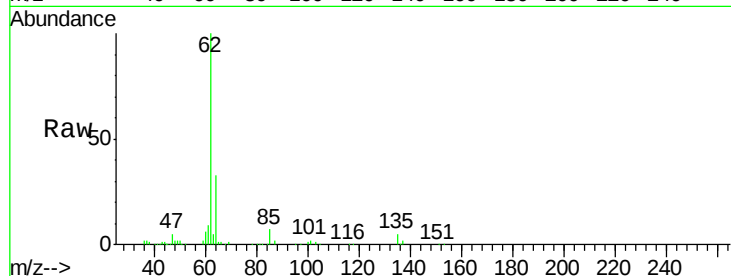
64 32.9 26.4 39.6

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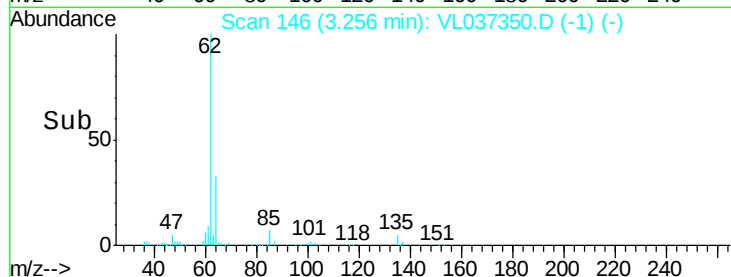
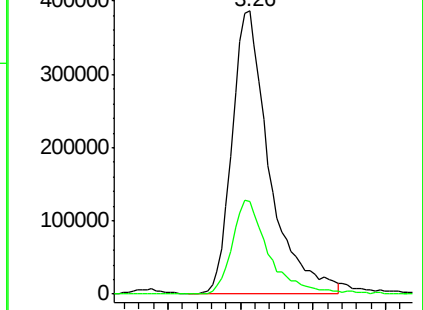
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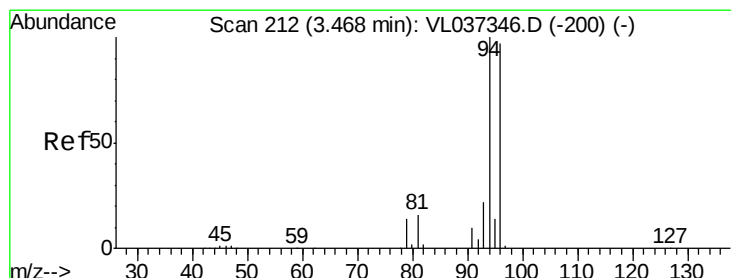


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 10.015 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL037350.D

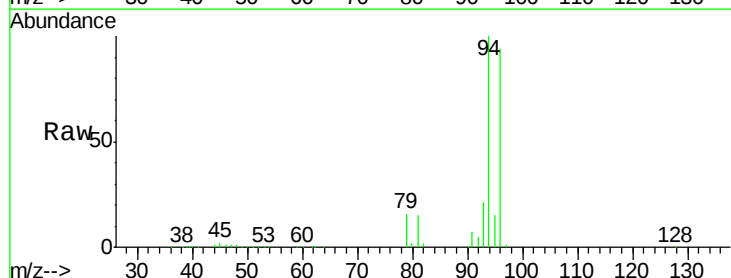
Acq: 6 Aug 2021 19:18

Tgt Ion: 94 Resp: 383426

Ion Ratio Lower Upper

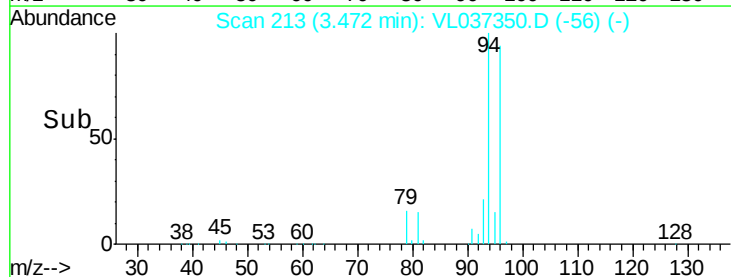
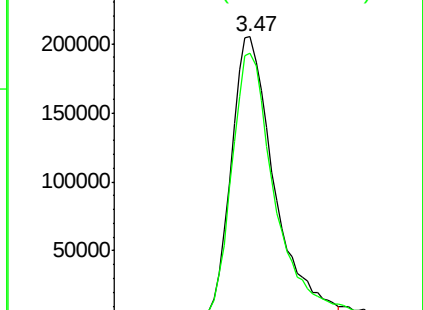
94 100

96 94.0 77.4 116.2

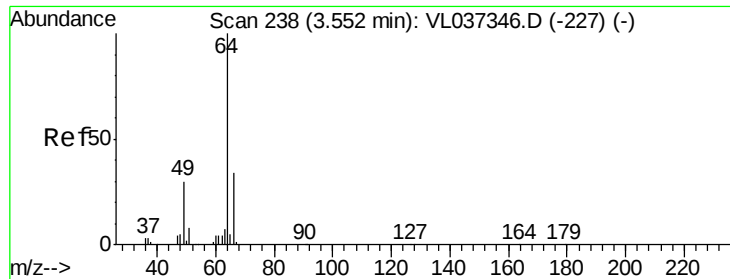


Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->



#7

Chloroethane

Concen: 9.477 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 64 Resp: 243739

Ion Ratio Lower Upper

64 100

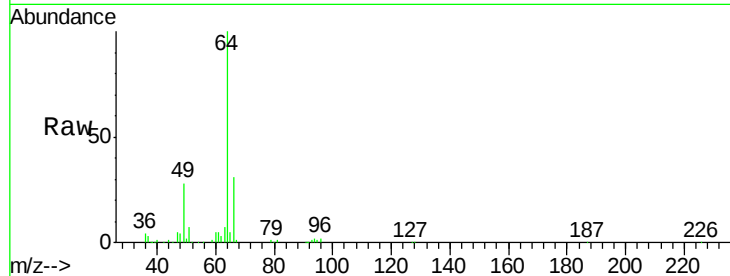
66 30.8 26.8 40.2

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

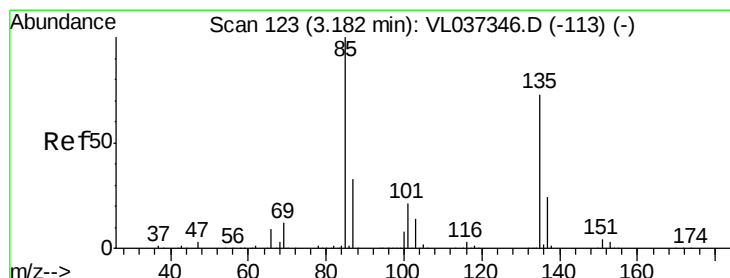
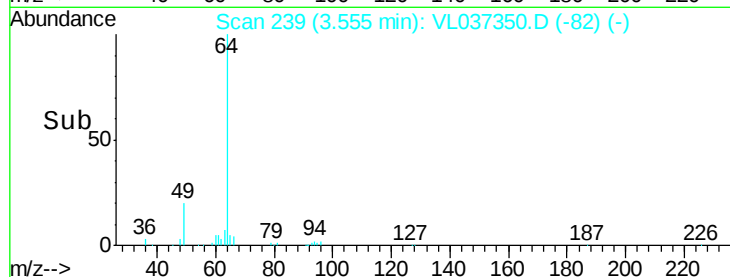
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.583 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037350.D

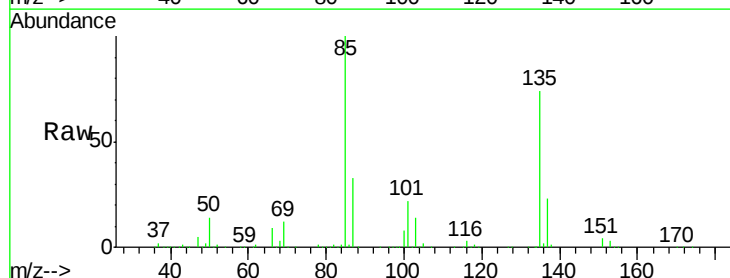
Acq: 6 Aug 2021 19:18

Tgt Ion: 85 Resp: 1738245

Ion Ratio Lower Upper

85 100

135 79.5 63.2 94.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

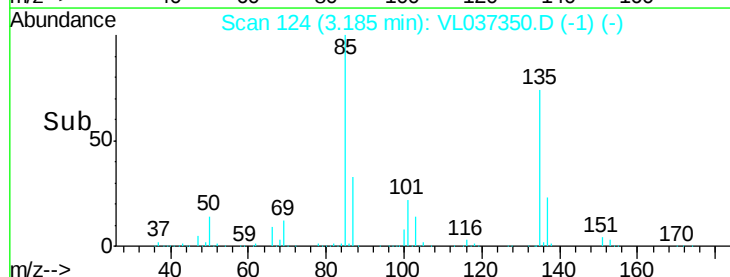
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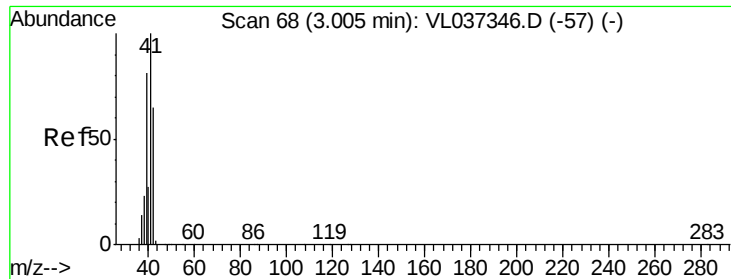
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0

3.15 3.20 3.25

Time-->





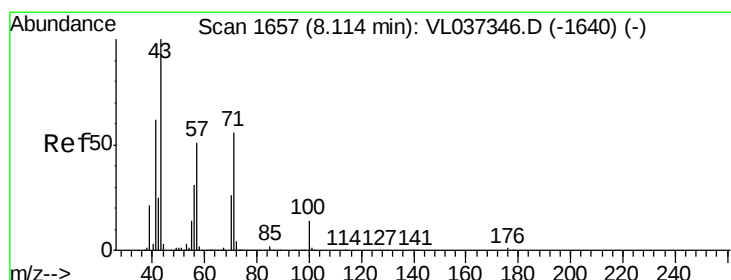
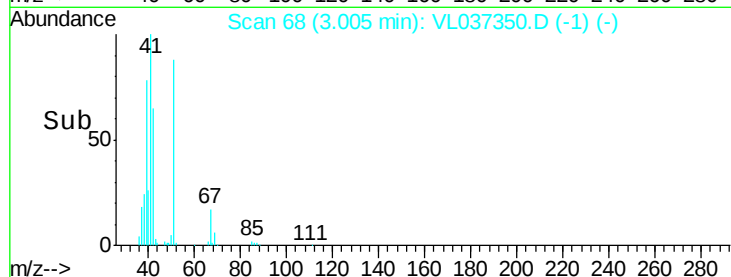
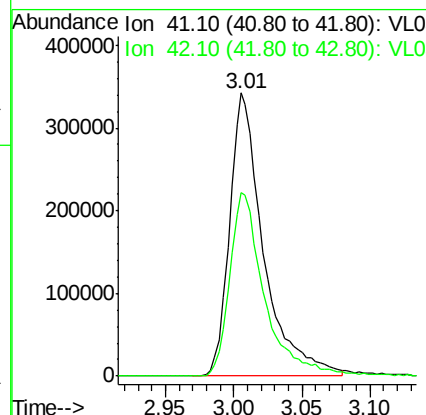
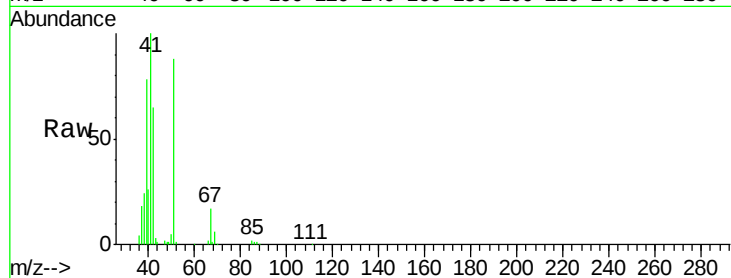
#9
 Propene
 Concen: 9.458 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
42	67.5	54.3	81.5

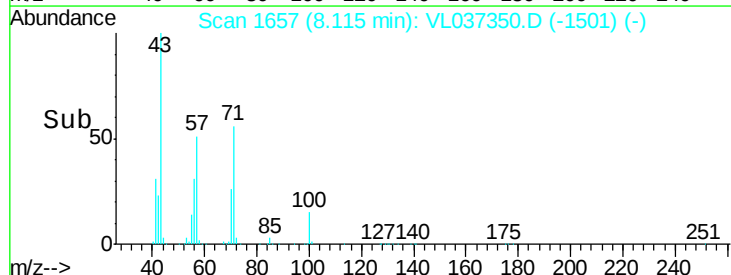
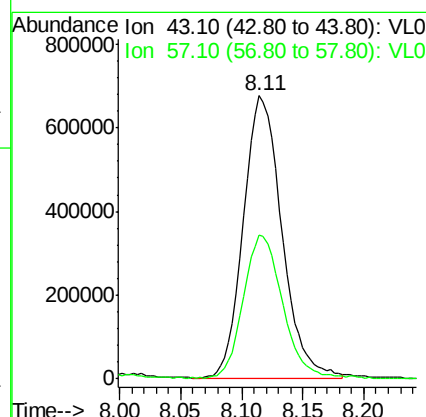
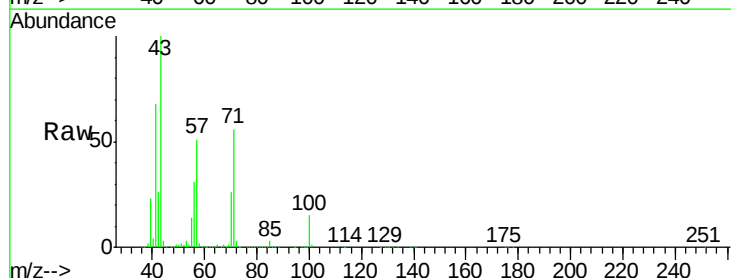
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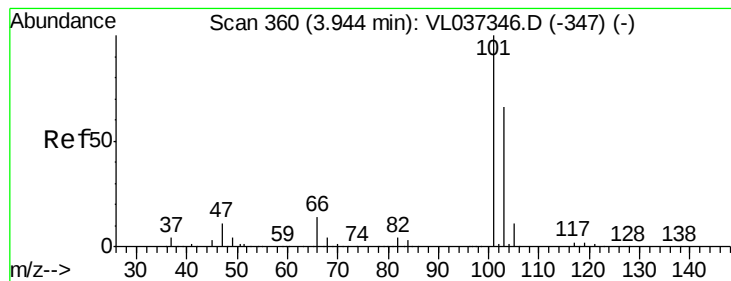
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#10
 Heptane
 Concen: 10.135 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.6	62.4





#11

Trichlorofluoromethane

Concen: 9.896 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:101 Resp: 1792924

Ion Ratio Lower Upper

101 100

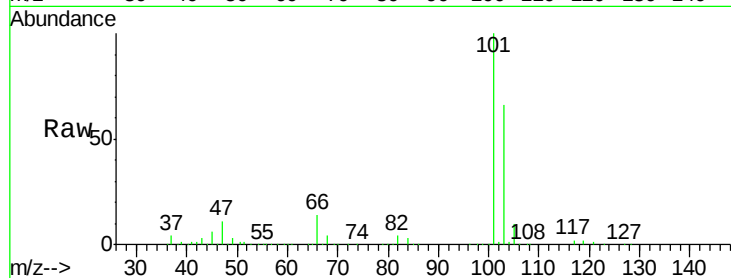
103 66.1 52.5 78.7

Manual Integrations

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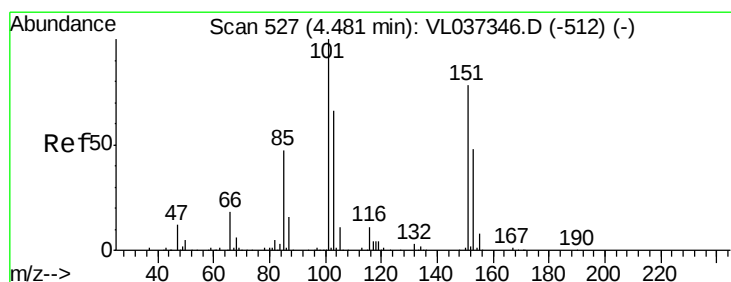
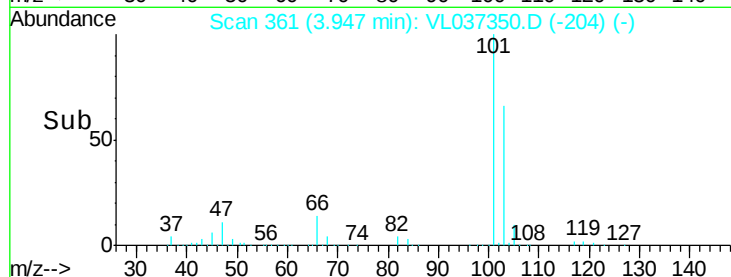
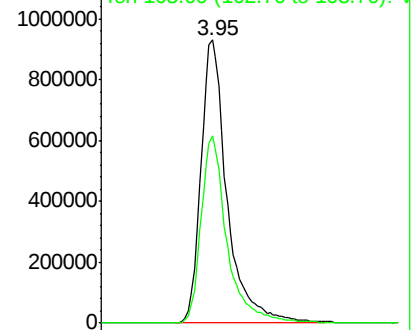
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8/10/2021 6:09:42 PM



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: 9.693 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL037350.D

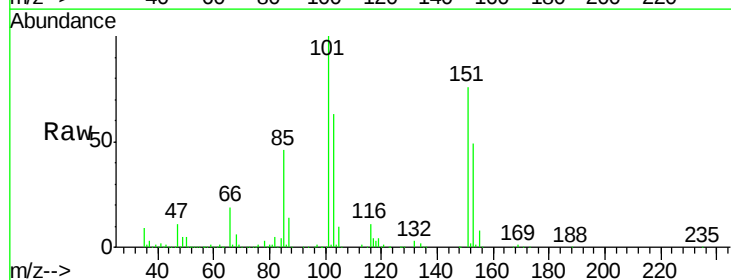
Acq: 6 Aug 2021 19:18

Tgt Ion:101 Resp: 1305730

Ion Ratio Lower Upper

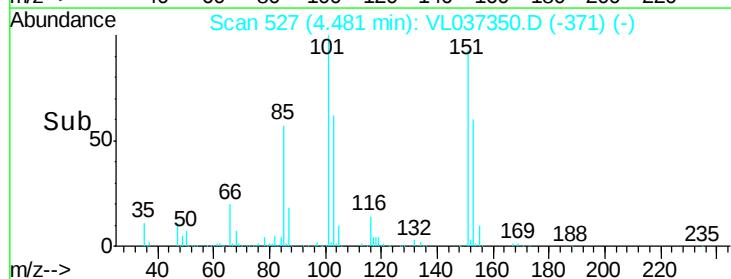
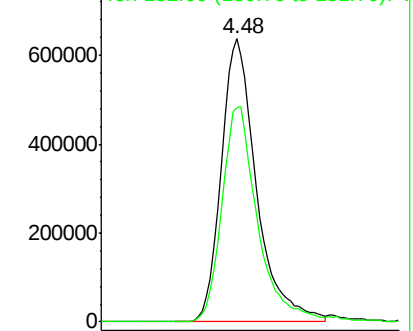
101 100

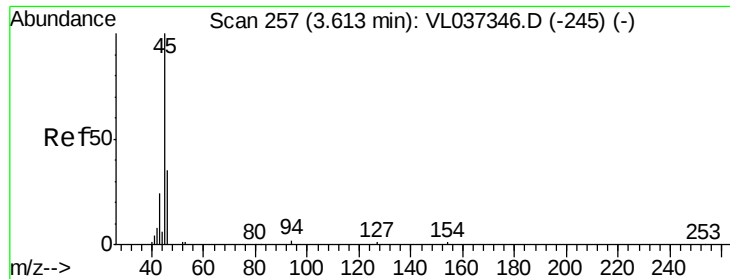
151 78.4 62.4 93.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





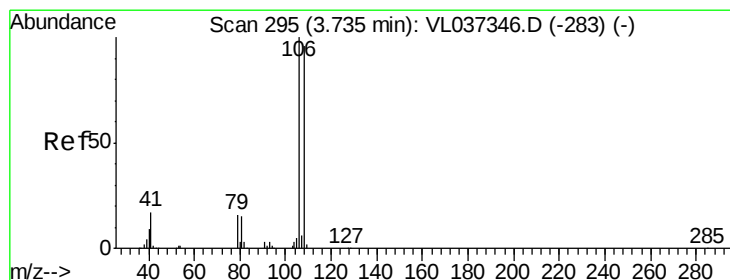
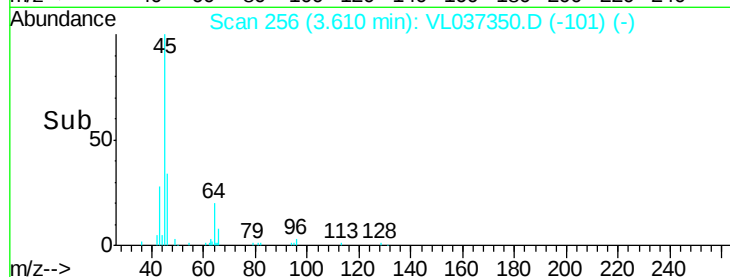
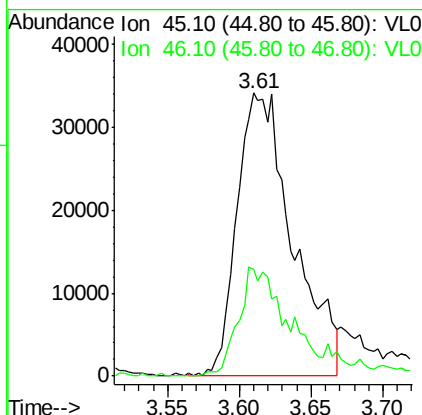
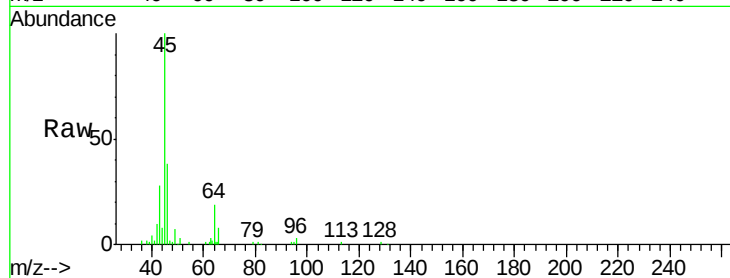
#13
Ethanol
Concen: 7.961 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	45	Resp	91651
Ion Ratio	100	Lower	Upper
46	40.7	15.7	62.9

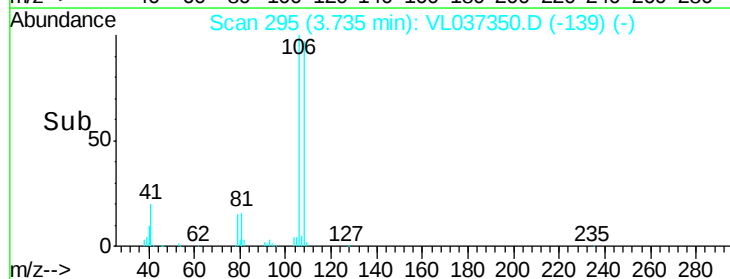
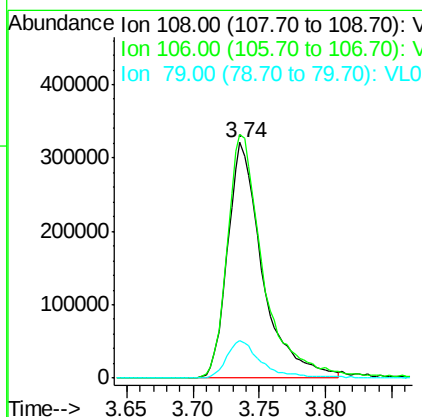
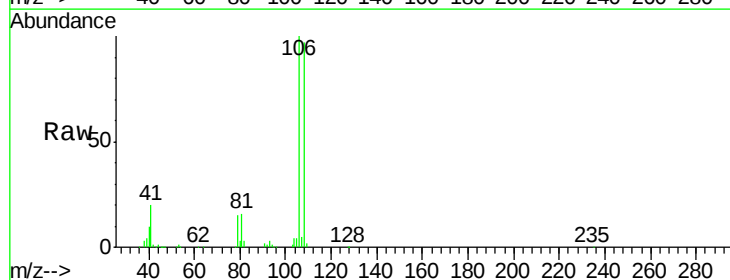
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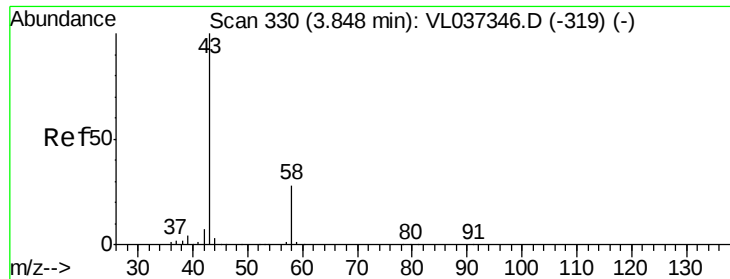
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#14
Bromoethene
Concen: 10.239 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	108	Resp	586777
Ion Ratio	100	Lower	Upper
106	108.3	86.8	130.2
79	16.4	13.4	20.2





#15

Acetone

Concen: 8.491 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 43 Resp: 825218

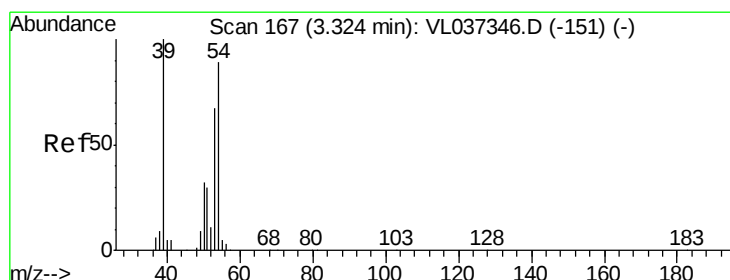
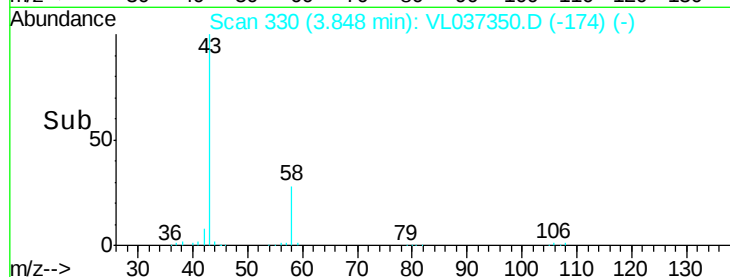
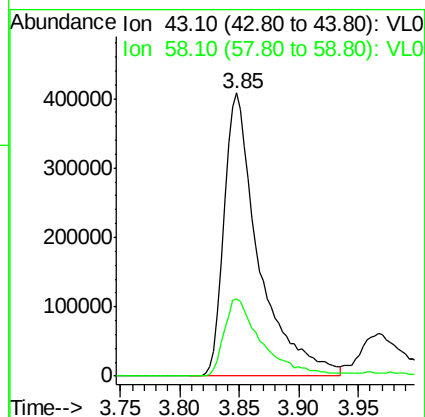
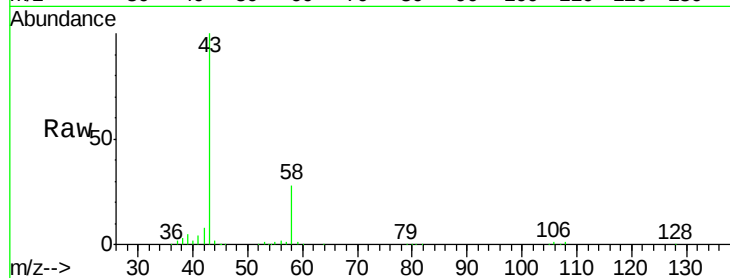
Ion Ratio Lower Upper

43 100

58 32.0 24.6 36.8

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#16

1,3-Butadiene

Concen: 9.321 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037350.D

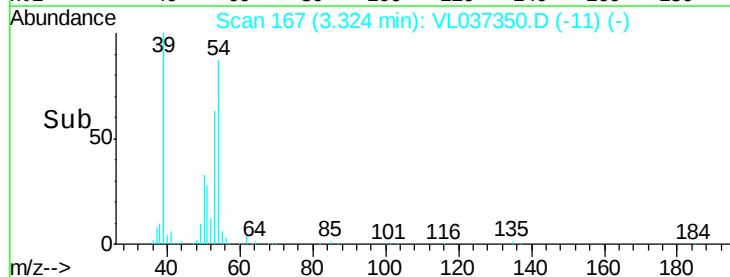
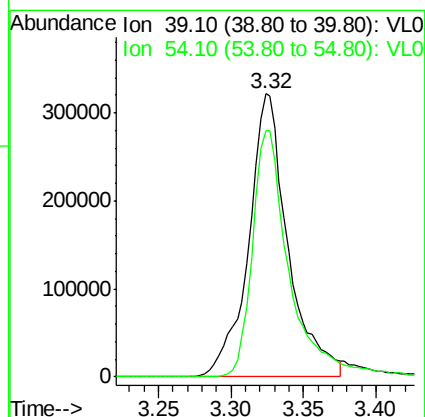
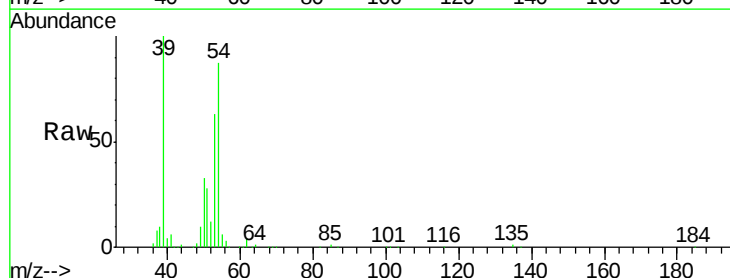
Acq: 6 Aug 2021 19:18

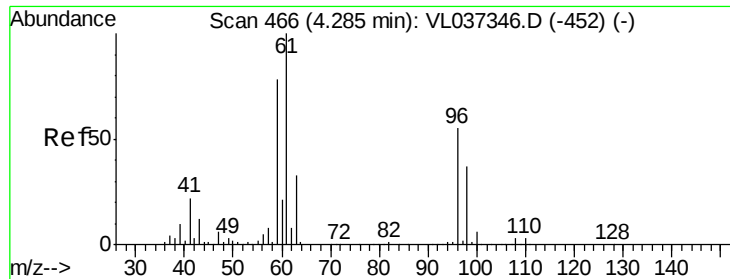
Tgt Ion: 39 Resp: 608908

Ion Ratio Lower Upper

39 100

54 83.2 64.2 96.4





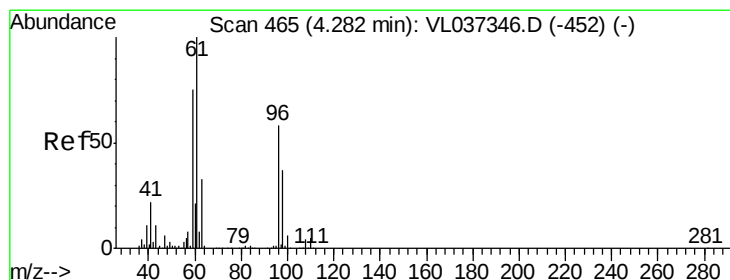
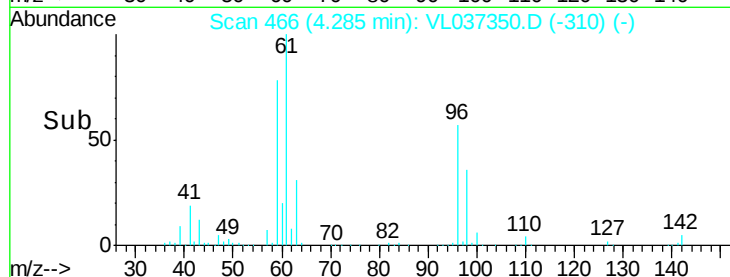
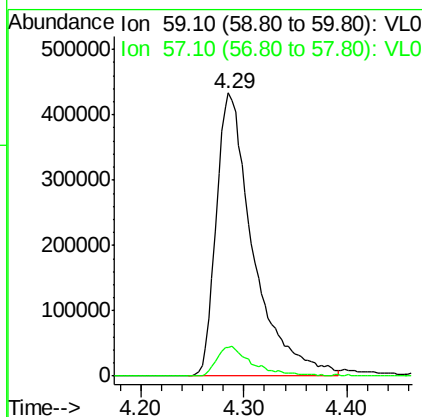
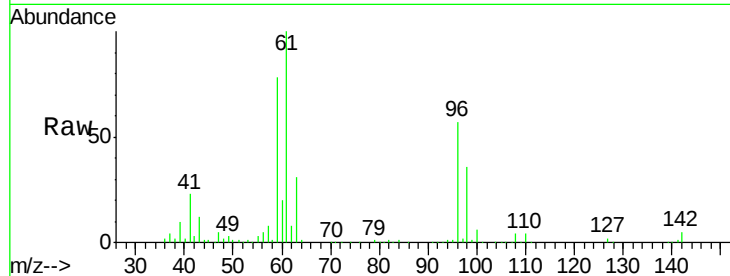
#17
tert-Butyl alcohol
Concen: 10.453 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 59 Resp: 1081293
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

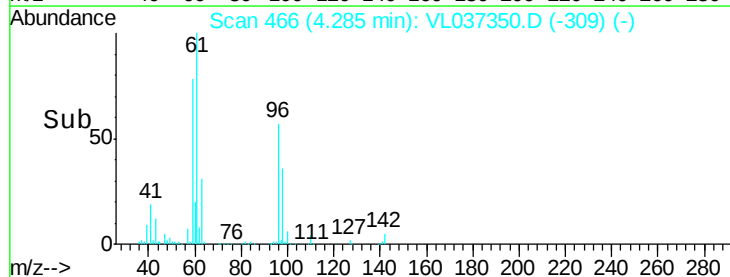
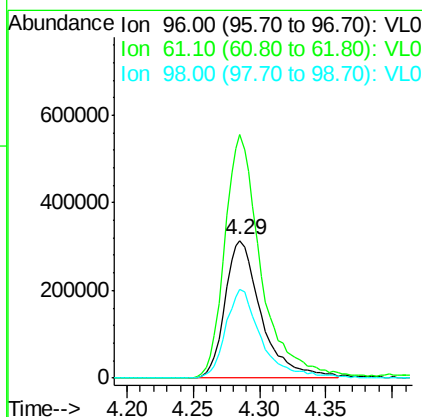
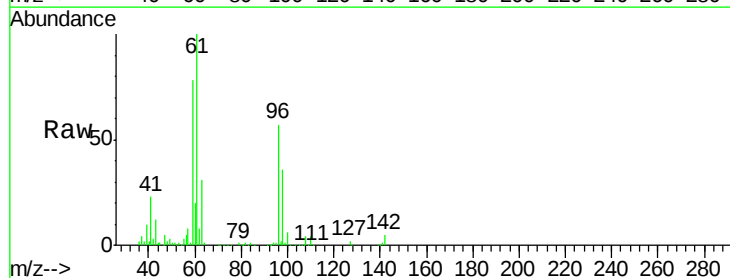
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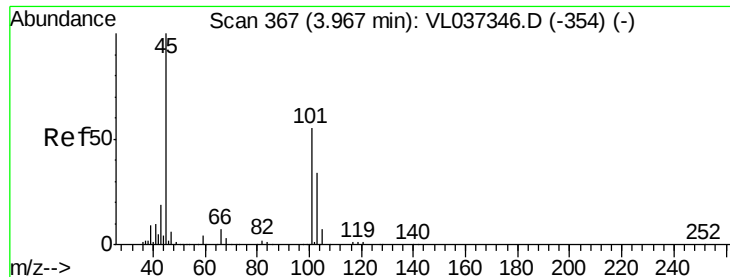
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#18
1,1-Dichloroethene
Concen: 10.213 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion: 96 Resp: 598583
Ion Ratio Lower Upper
96 100
61 176.6 137.0 205.4
98 64.1 50.4 75.6





#19

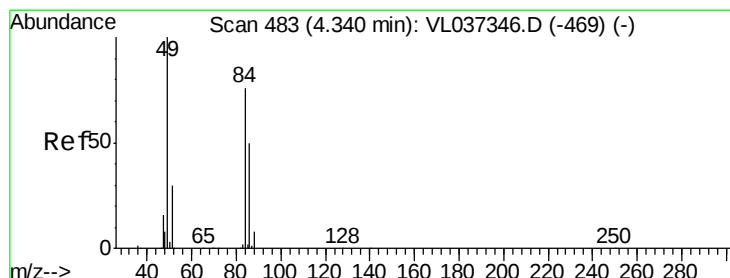
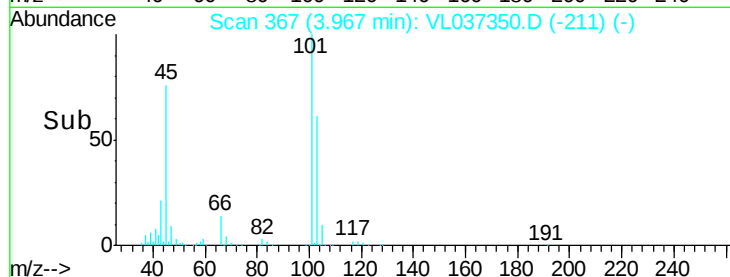
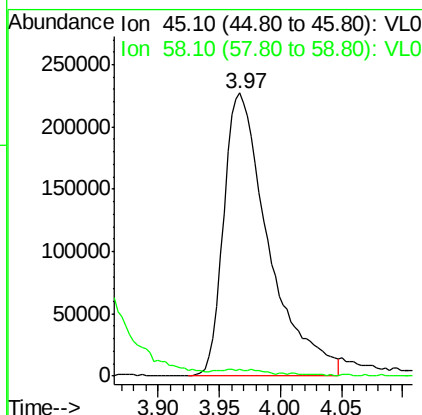
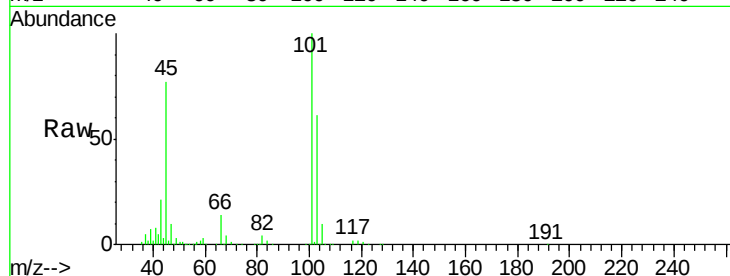
Isopropyl Alcohol
 Concen: 9.869 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	1.8	2.8#

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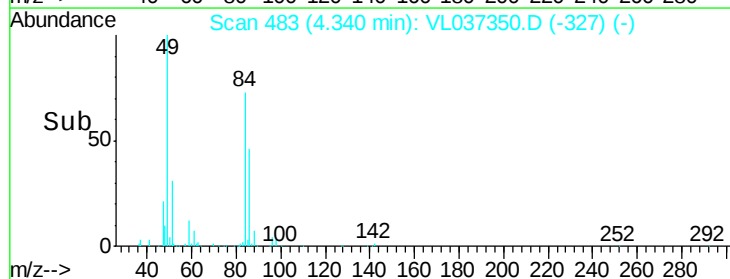
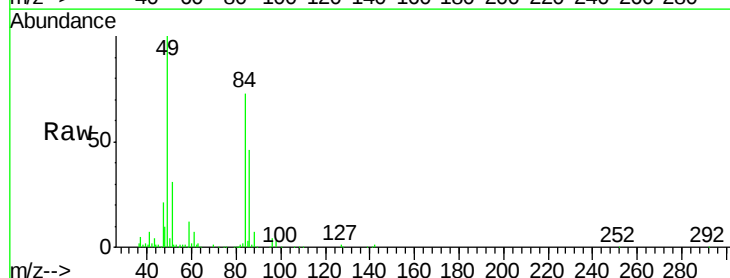
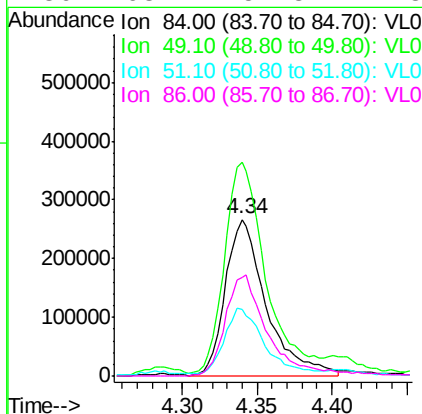
MMDadoda
 8/10/2021 6:09:42 PM

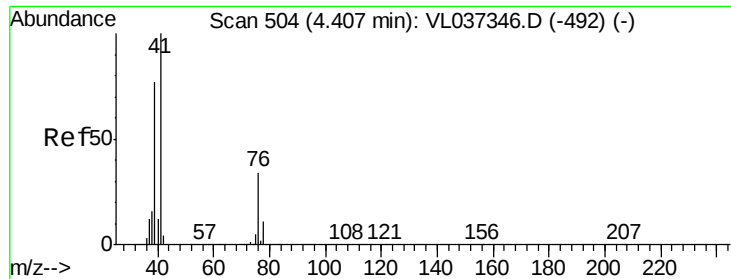


#20

Methylene Chloride
 Concen: 6.180 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.4	107.3	160.9
51	41.0	33.0	49.4
86	63.2	51.8	77.8





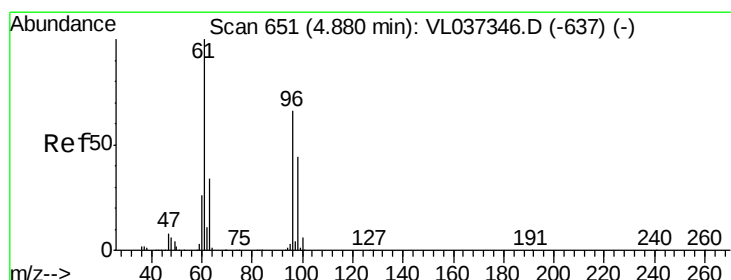
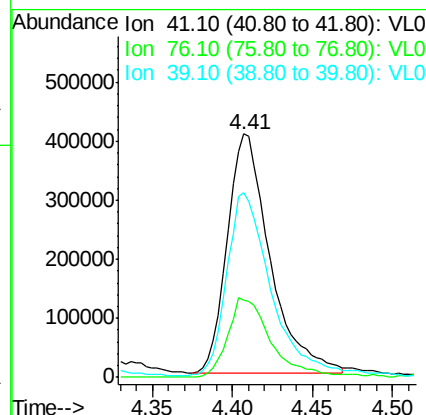
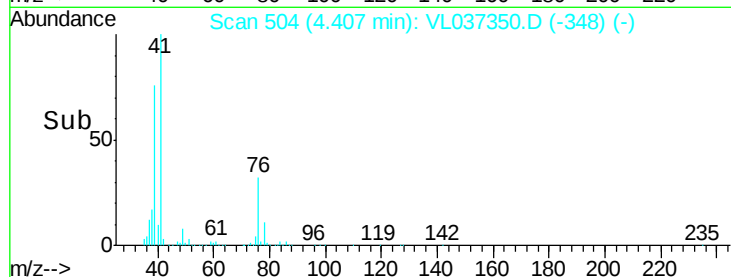
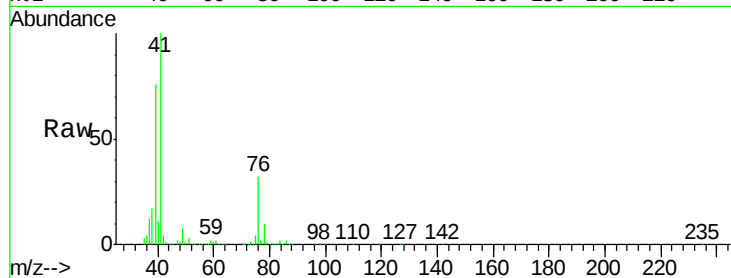
#21
Allvl Chloride
Concen: 9.228 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	34.3	25.7	38.5
39	80.6	61.0	91.4

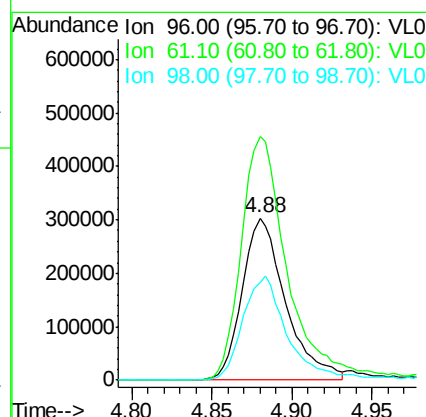
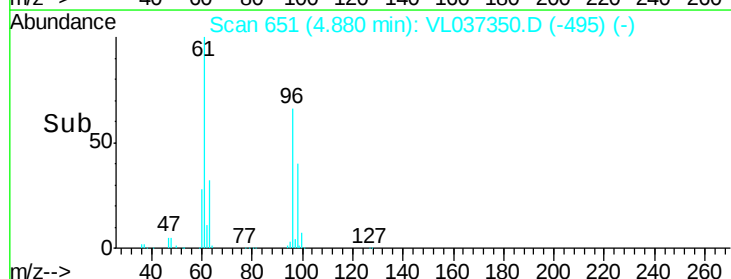
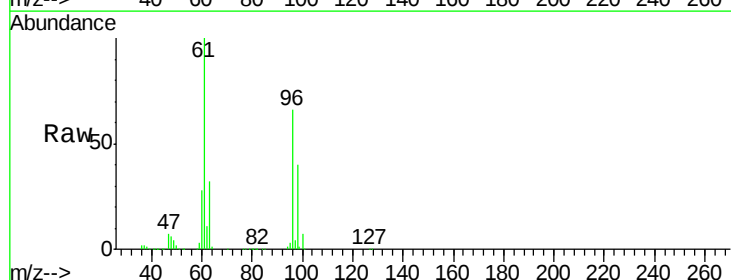
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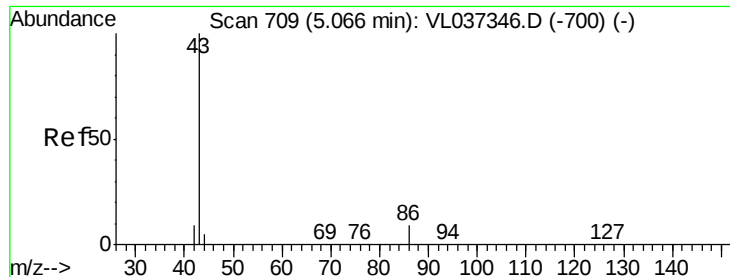
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#22
trans-1,2-Dichloroethene
Concen: 9.848 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	120.6	181.0
98	60.0	53.0	79.6





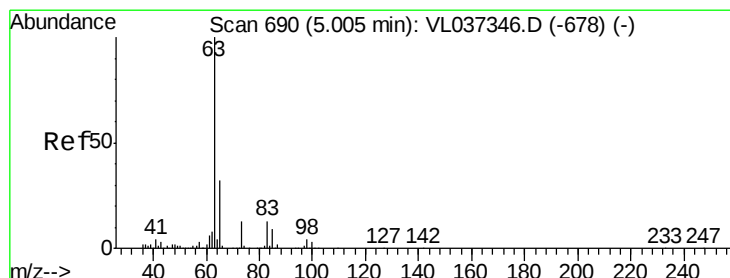
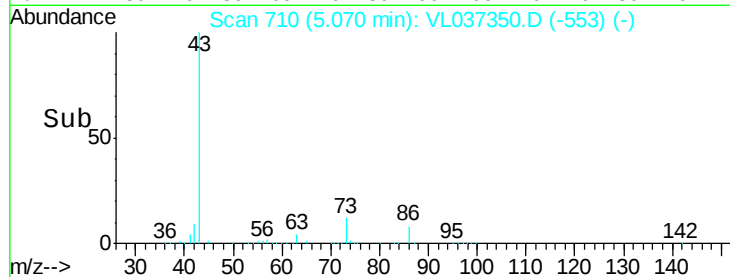
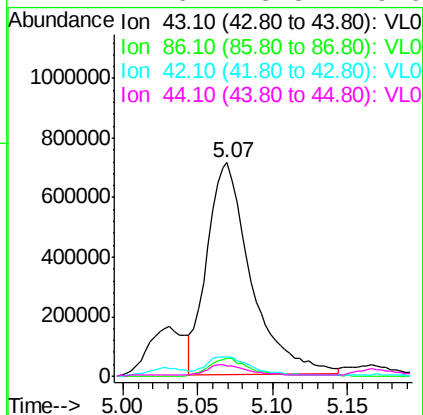
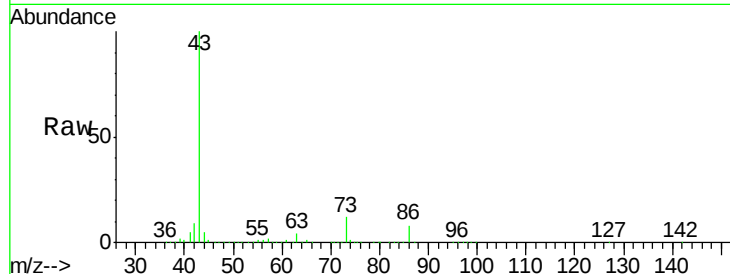
#23
 Vinyl Acetate
 Concen: 10.873 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion:	43	Resp:	1466514
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.3	9.5
42	9.2	8.3	12.5
44	4.6	3.8	5.6

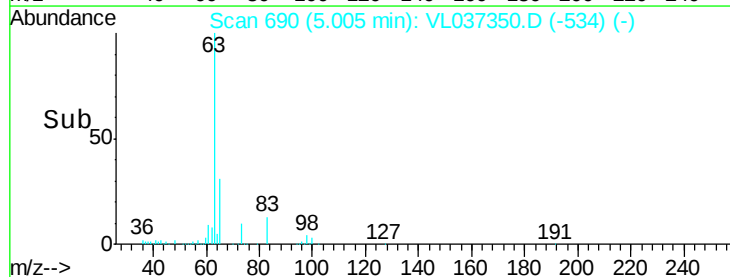
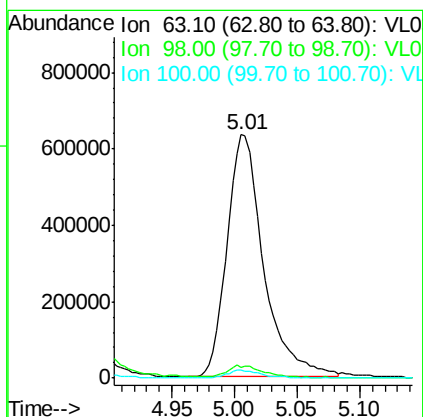
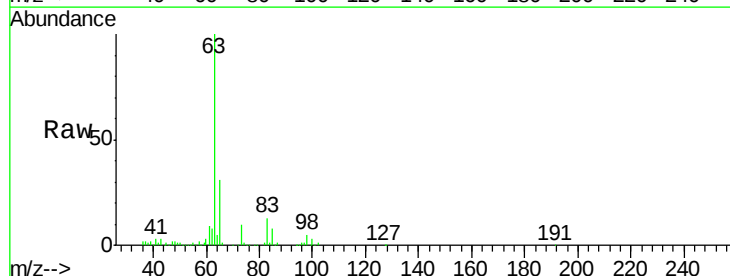
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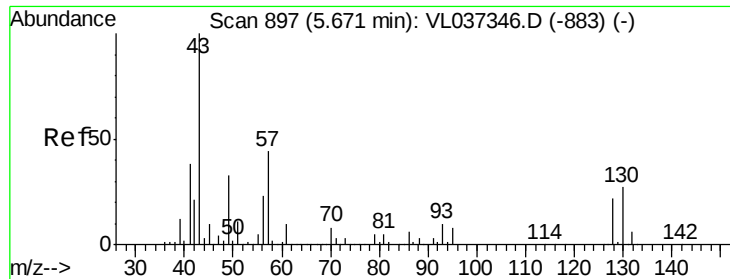
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#24
 1,1-Dichloroethane
 Concen: 11.075 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Tgt Ion:	63	Resp:	1285482
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	3.3	1.4	4.0





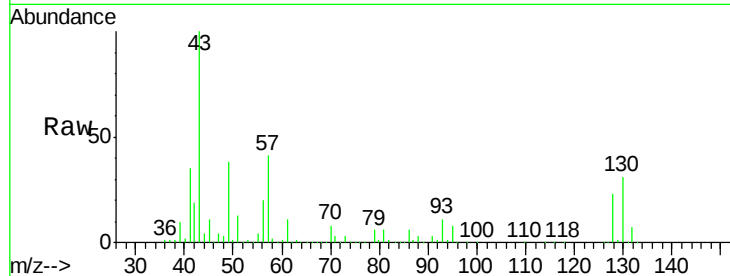
#25
Ethyl Acetate
Concen: 9.574 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

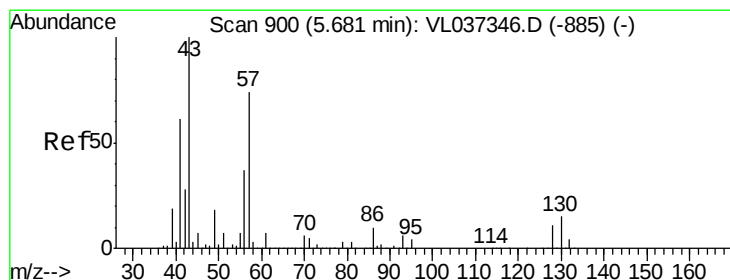
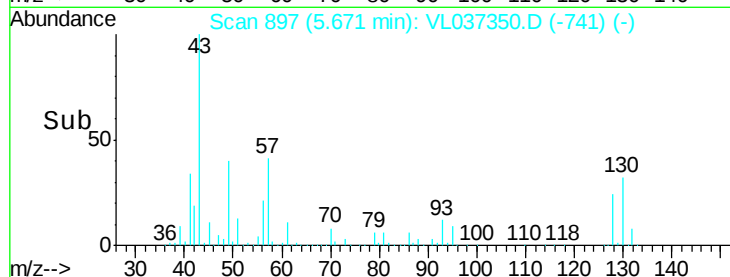
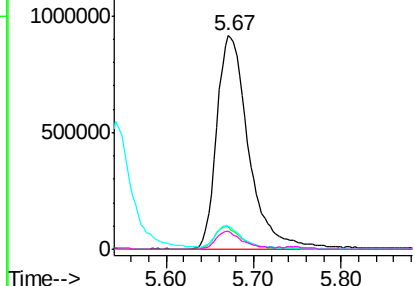
Tot Ion: 43 Resp: 2301570
Ion Ratio Lower Upper
43 100
45 9.5 7.7 11.5
61 10.5 8.2 12.2
70 7.0 5.8 8.8

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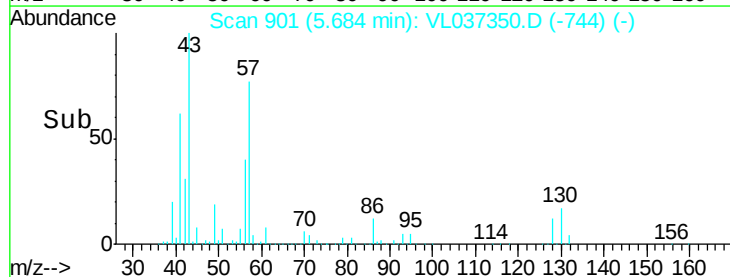
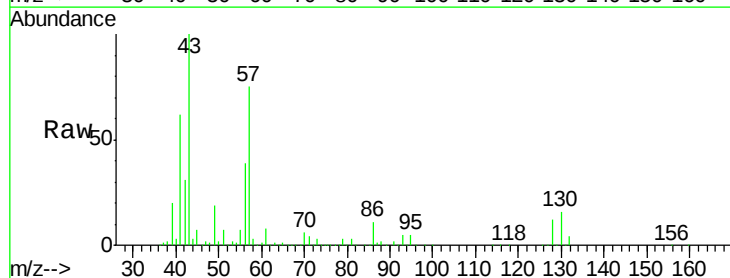
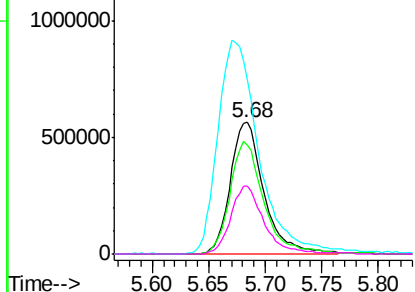
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

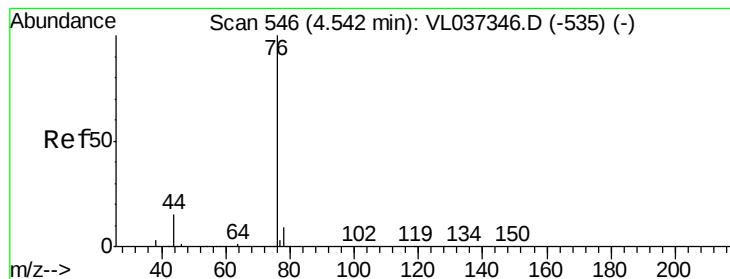


#26
Hexane
Concen: 8.602 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion: 57 Resp: 1168400
Ion Ratio Lower Upper
57 100
41 86.5 69.2 103.8
43 199.6 162.1 243.1
56 51.7 42.2 63.4

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.462 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 76 Resp: 1351643

Ion Ratio Lower Upper

76 100

44 16.2 13.4 20.0

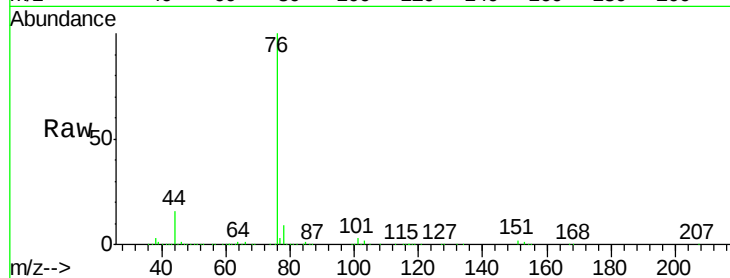
78 9.9 7.9 11.9

Manual Integrations

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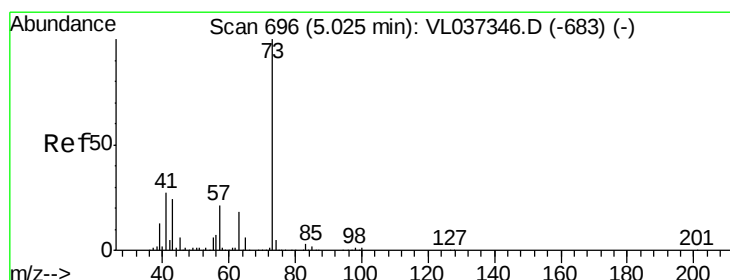
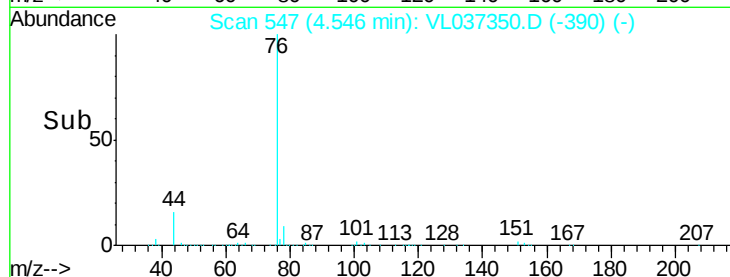
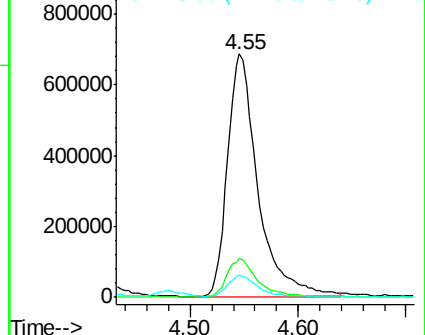
8/10/2021 6:09:42 PM



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: 11.011 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL037350.D

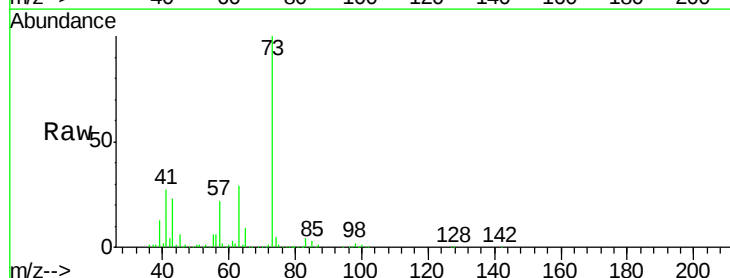
Acq: 6 Aug 2021 19:18

Tgt Ion: 73 Resp: 1489654

Ion Ratio Lower Upper

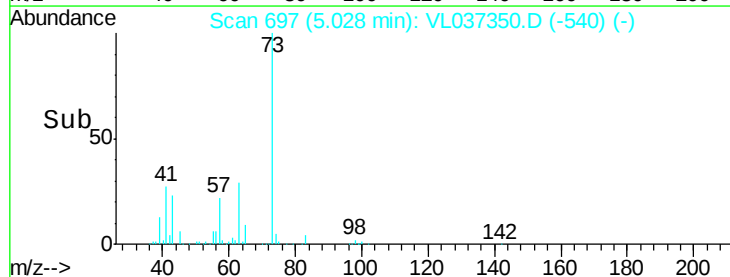
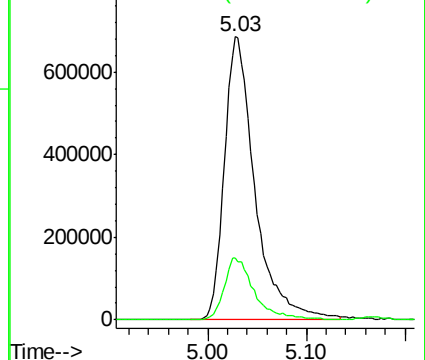
73 100

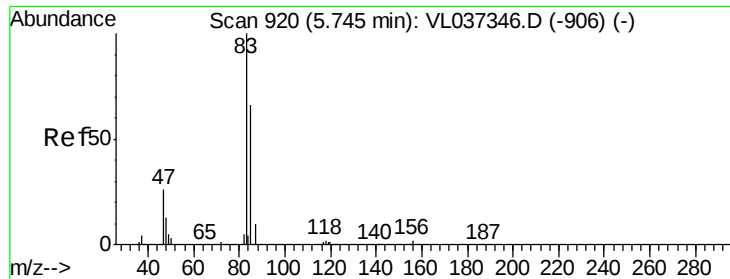
57 21.8 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





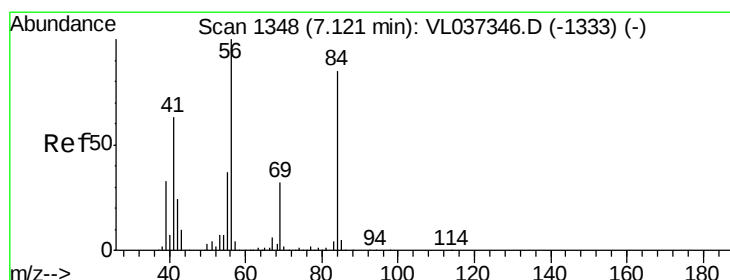
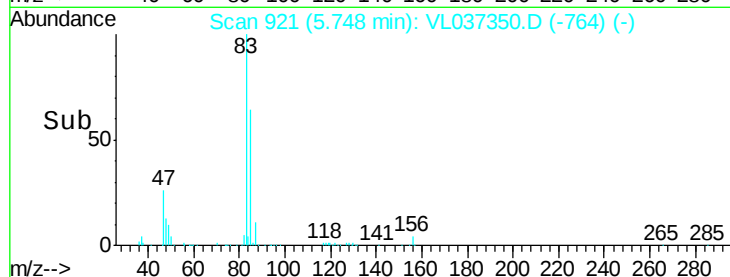
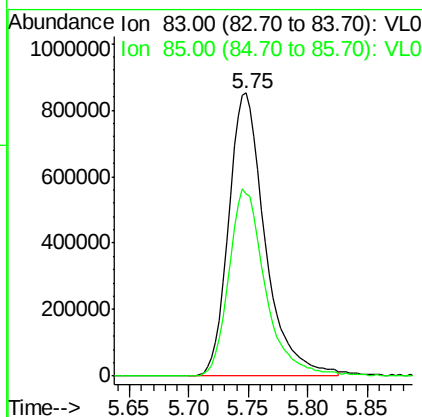
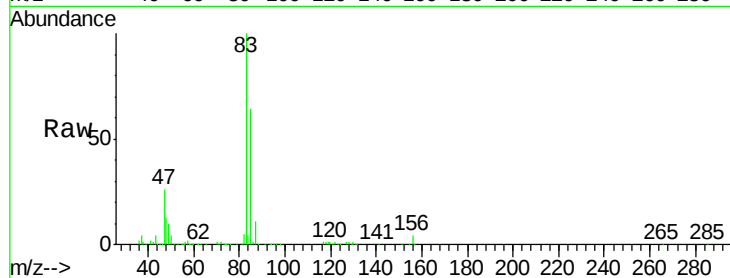
#29
Chloroform
Concen: 9.923 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 83 Resp: 1808183
Ion Ratio Lower Upper
83 100
85 64.3 53.1 79.7

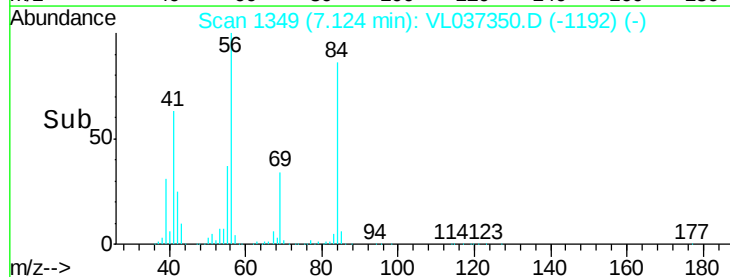
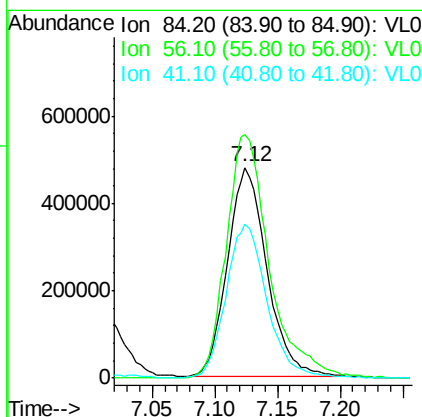
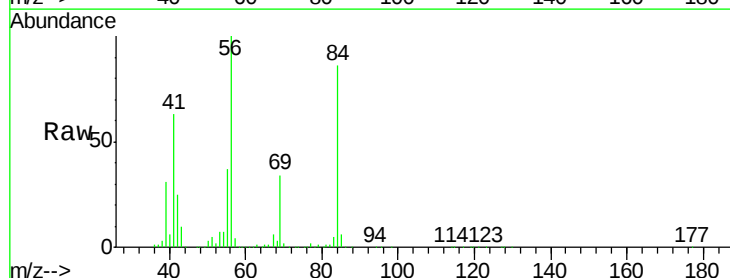
Manual Integrations
APPROVED

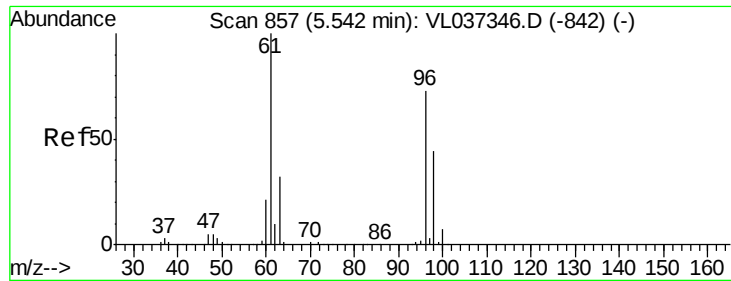
MMDadoda
8/10/2021 6:09:42 PM



#30
Cyclohexane
Concen: 9.870 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion: 84 Resp: 1045574
Ion Ratio Lower Upper
84 100
56 128.2 103.5 155.3
41 76.7 61.4 92.2





#31

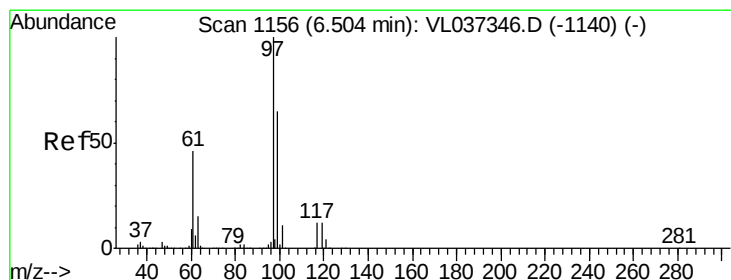
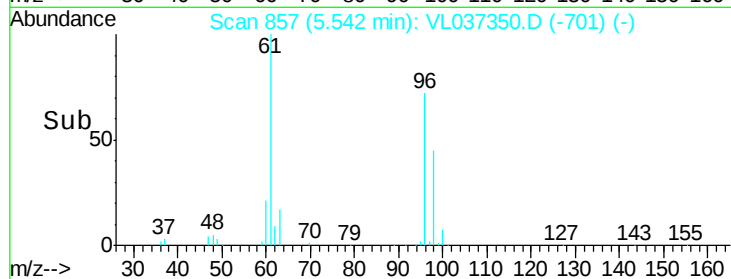
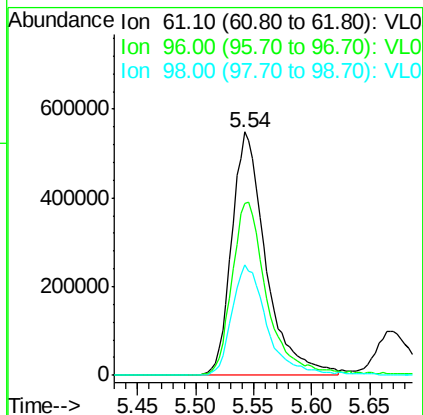
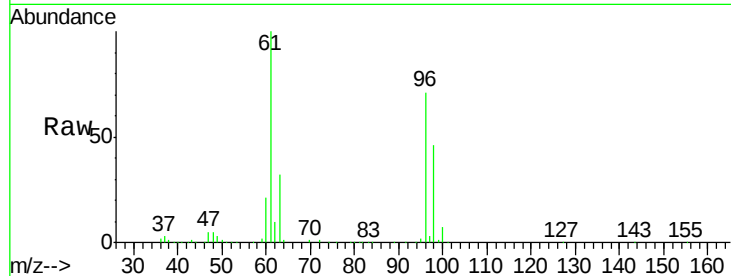
cis-1,2-Dichloroethene
Concen: 10.415 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.6	58.5	87.7
98	45.5	35.1	52.7

Manual Integrations
APPROVED

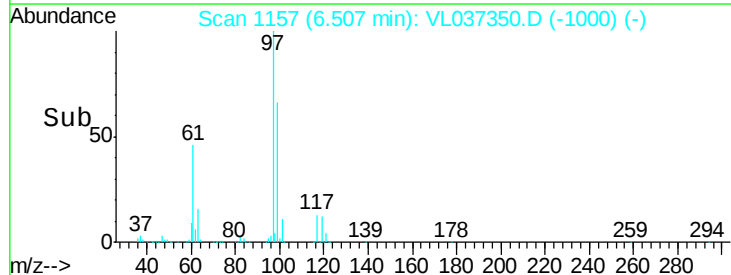
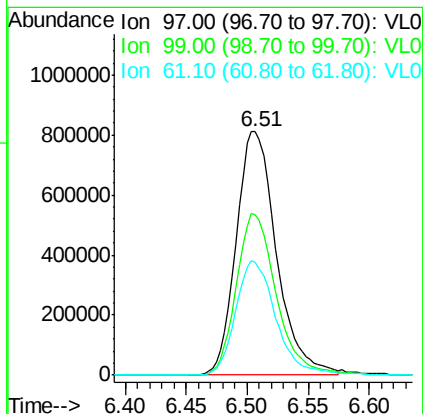
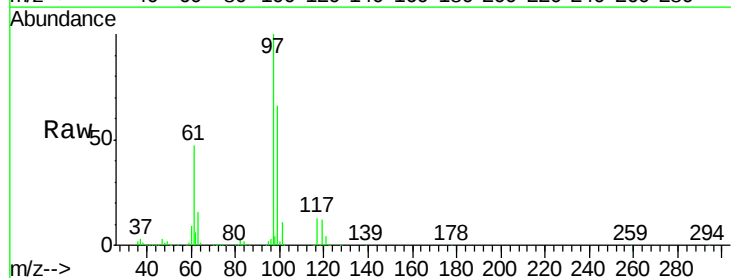
MMDadoda
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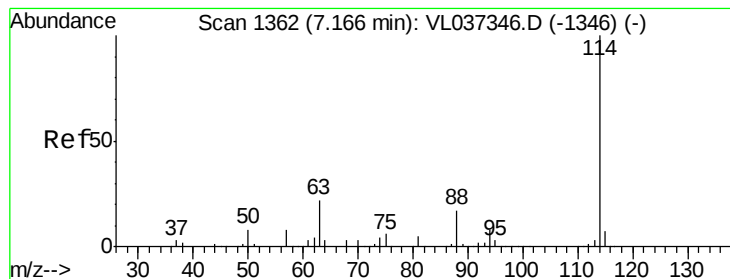


#32

1,1,1-Trichloroethane
Concen: 9.606 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.6
61	47.0	37.0	55.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:114 Resp: 3079355

Ion Ratio Lower Upper

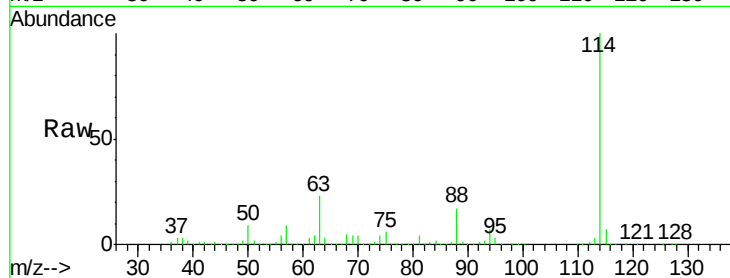
114 100

63 22.5 17.8 26.6

88 17.0 13.5 20.3

Manual Integrations
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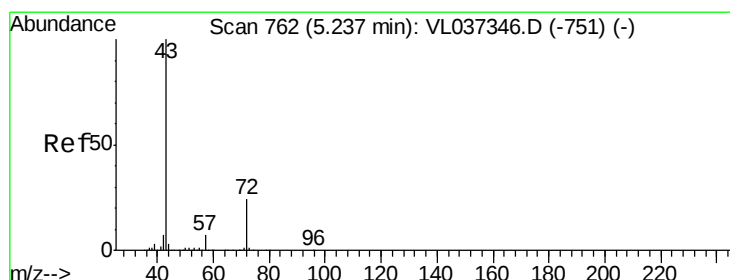
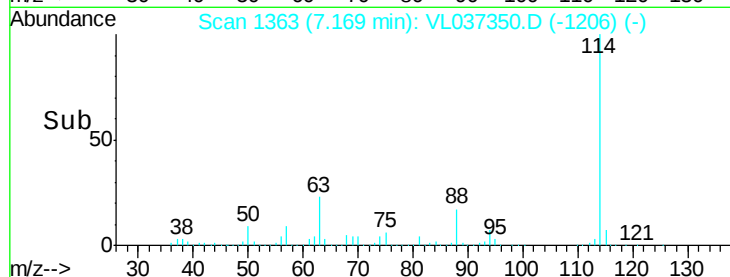
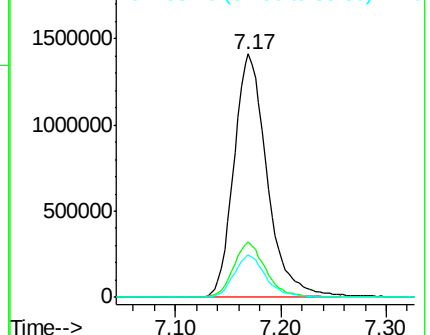
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.701 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.00 min

Lab File: VL037350.D

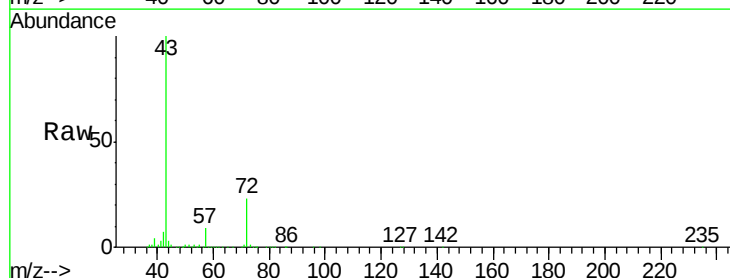
Acq: 6 Aug 2021 19:18

Tgt Ion: 43 Resp: 1003024

Ion Ratio Lower Upper

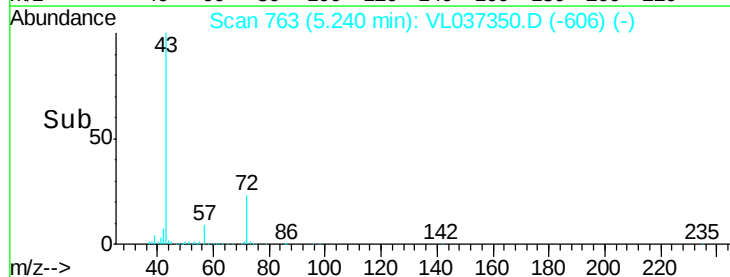
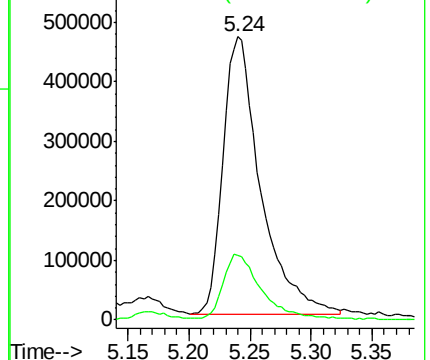
43 100

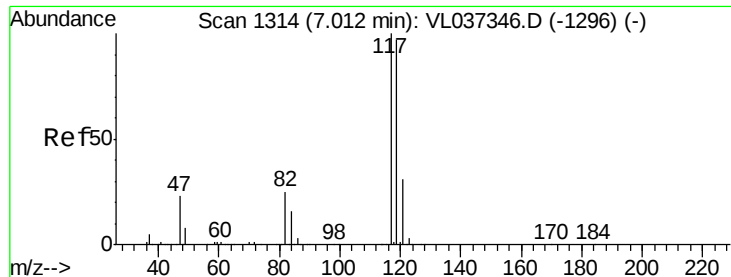
72 25.2 19.8 29.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





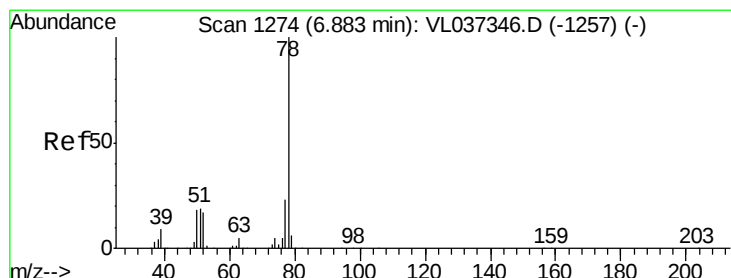
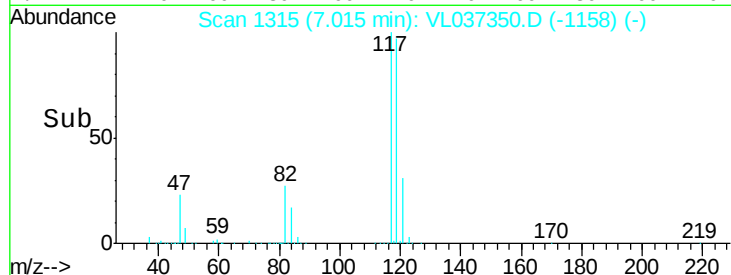
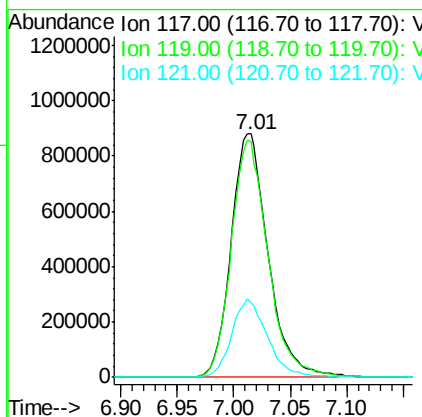
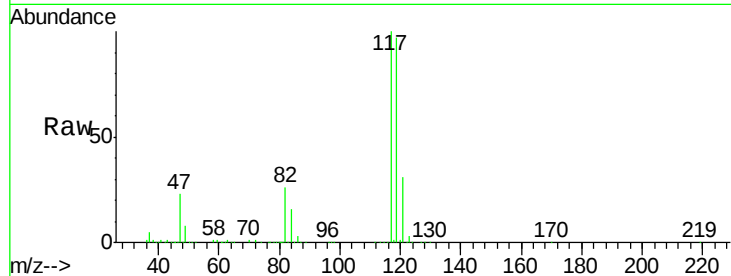
#35
Carbon Tetrachloride
Concen: 10.404 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ion	Ratio	Lower	Upper
117	100			
119	97.1	77.8	116.8	
121	30.8	24.6	36.8	

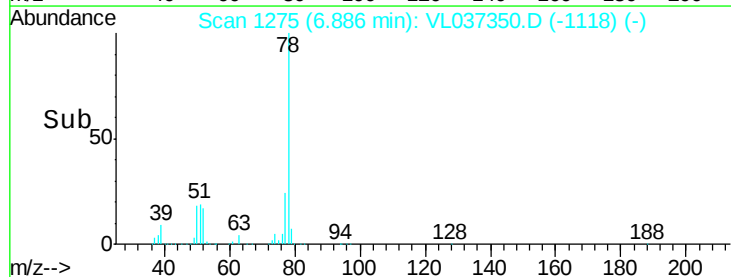
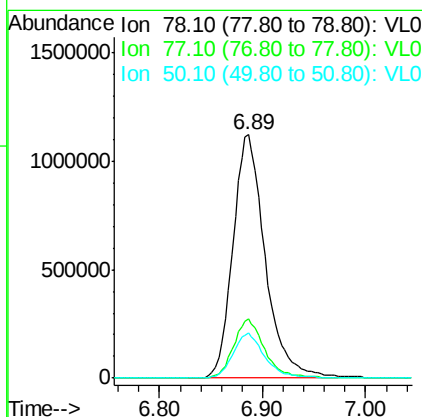
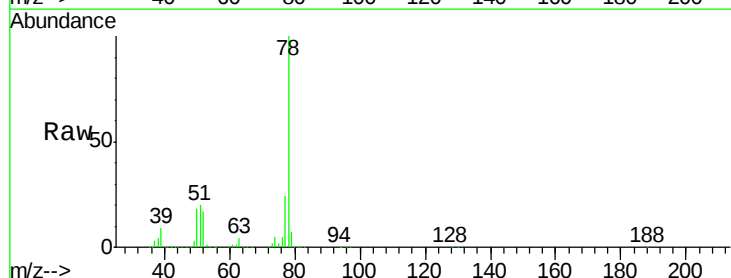
Manual Integrations
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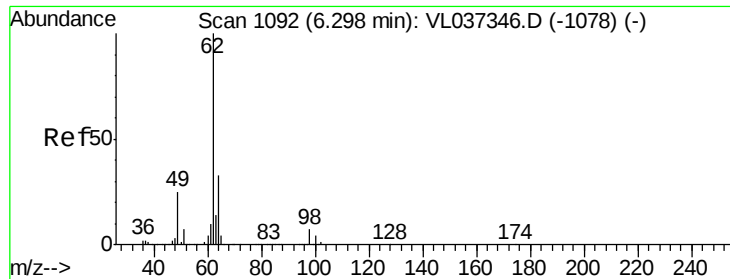
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#36
Benzene
Concen: 10.373 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ion	Ratio	Lower	Upper
78	100			
77	24.3	18.7	28.1	
50	18.4	14.6	22.0	





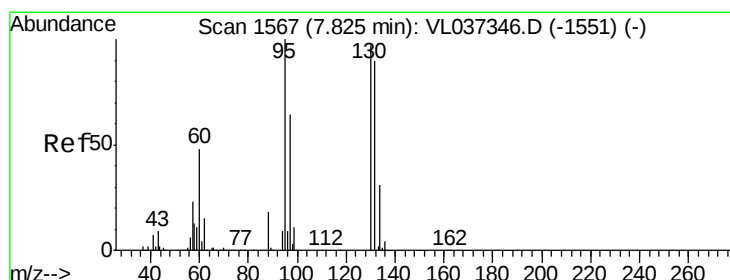
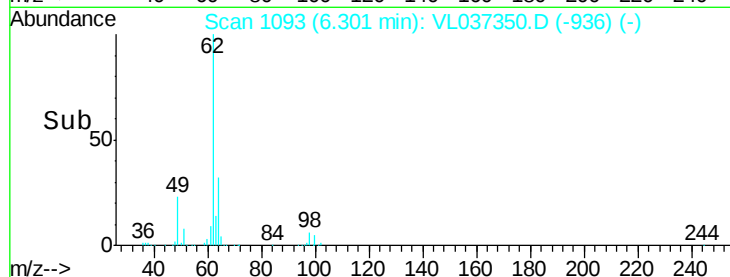
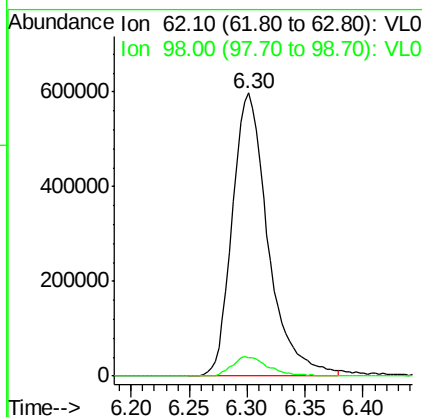
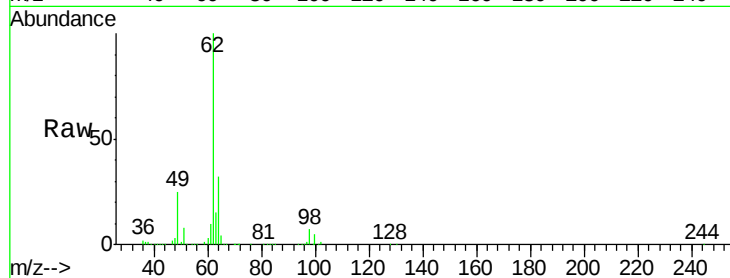
#37
 1,2-Dichloroethane
 Concen: 10.354 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion: 62 Resp: 1277881
 Ion Ratio Lower Upper
 62 100
 98 7.3 5.6 8.4

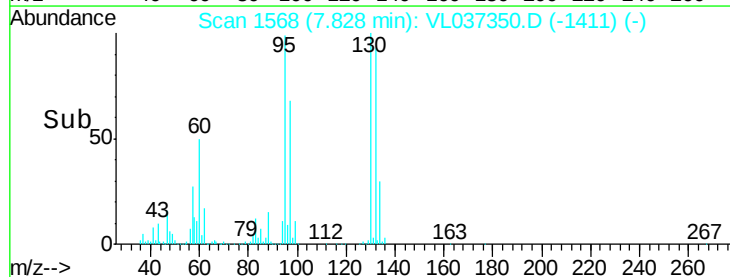
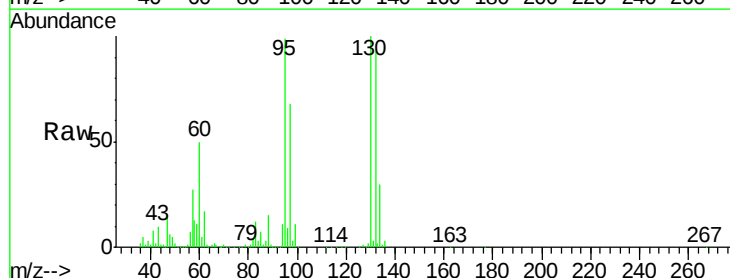
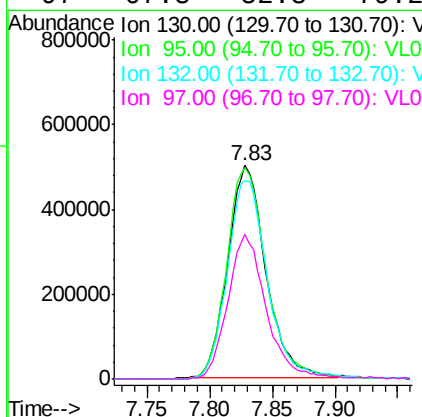
Manual Integrations
 APPROVED

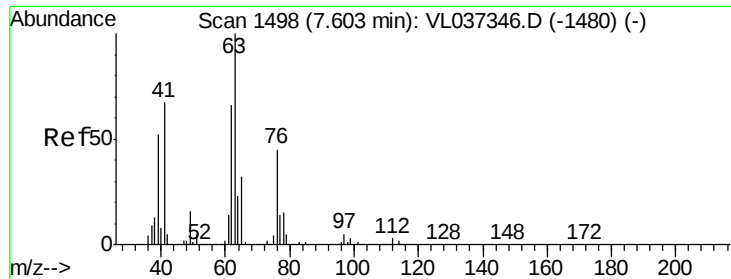
MMDadoda
 8/10/2021 6:09:42 PM



#38
 Trichloroethene
 Concen: 9.182 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Tgt Ion:130 Resp: 1061805
 Ion Ratio Lower Upper
 130 100
 95 98.9 82.8 124.2
 132 93.0 74.9 112.3
 97 67.8 52.8 79.2





#39

1,2-Dichloropropane

Concen: 10.760 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

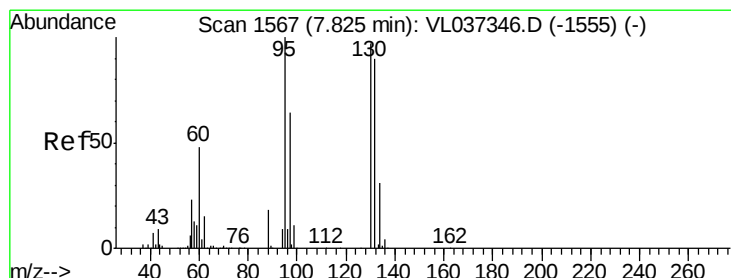
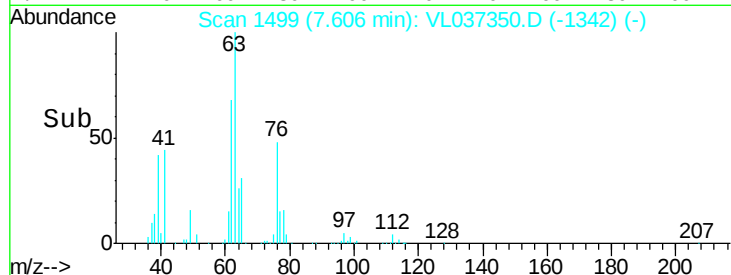
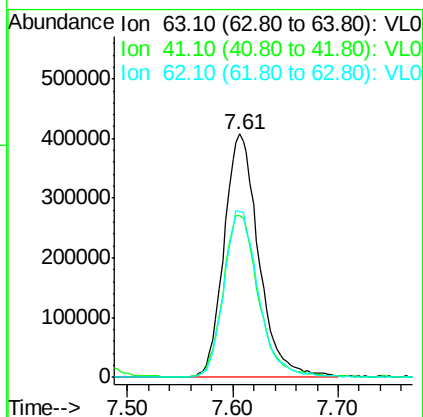
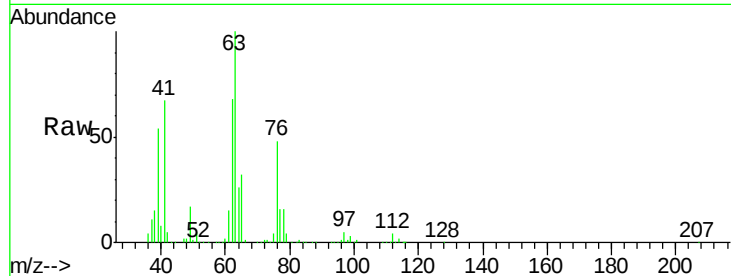
ClientSampleID :

VL0806ABS01

Tot Ion:	63	Resp:	925353
Ion Ratio	Lower	Upper	
63	100		
41	66.3	53.9	80.9
62	67.7	53.0	79.6

Manual Integrations
APPROVED

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#40

1,4-Dioxane

Concen: 9.445 ppbv

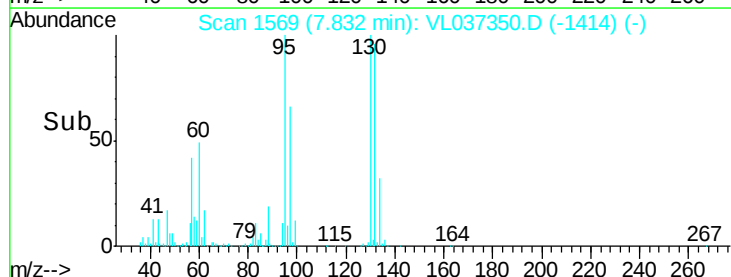
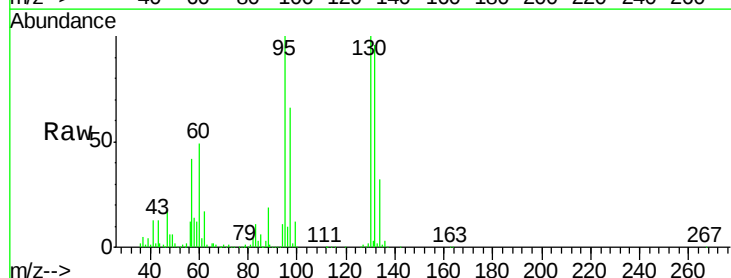
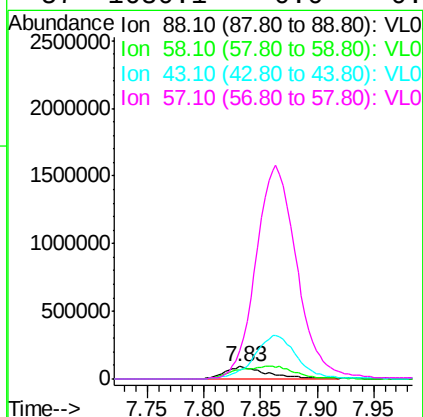
RT: 7.83 min Scan# 1569

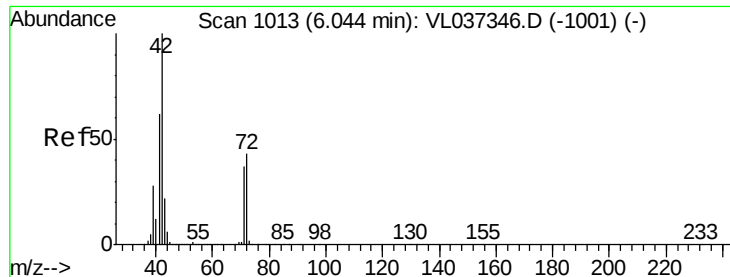
Delta R.T. -0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Tgt Ion:	88	Resp:	238448
Ion Ratio	Lower	Upper	
88	100		
58	145.2	0.0	0.0#
43	364.5	0.0	0.0#
57	1680.1	0.0	0.0#





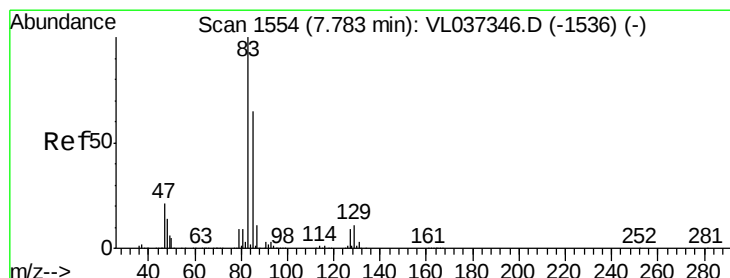
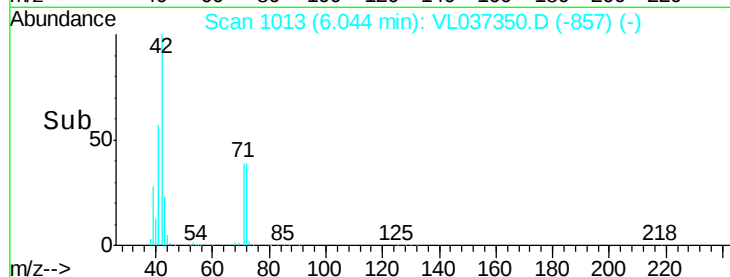
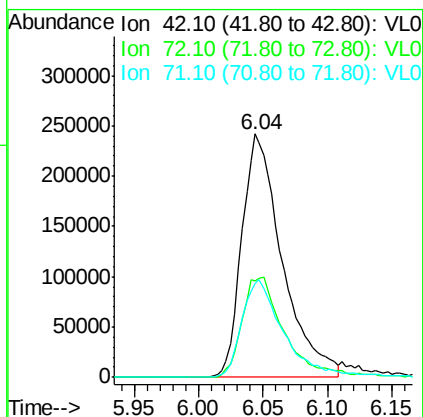
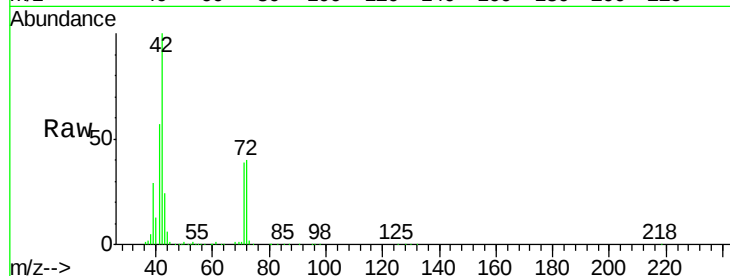
#41
Tetrahydrofuran
Concen: 10.390 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	42.1	33.8	50.6

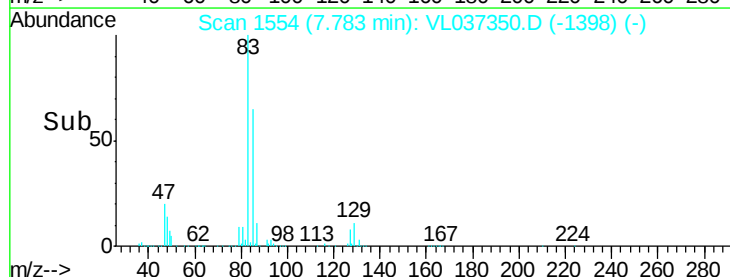
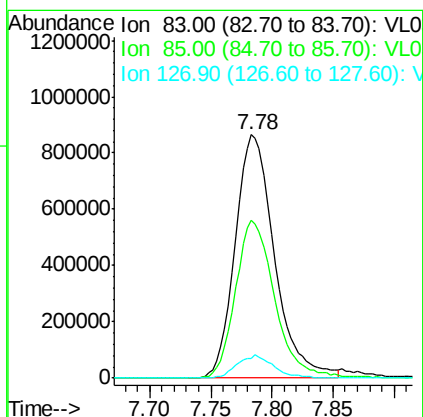
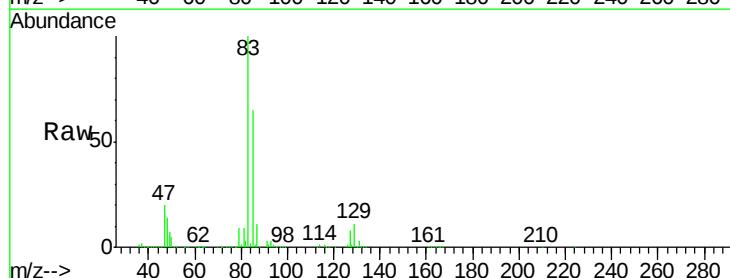
Manual Integrations
APPROVED

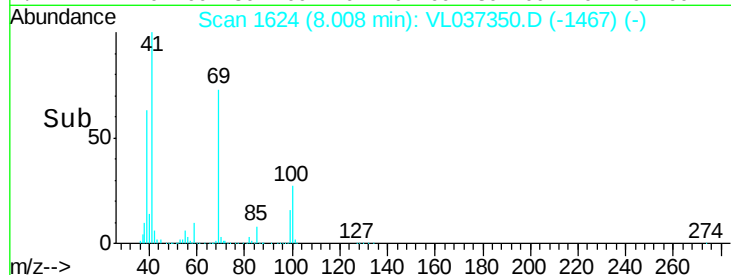
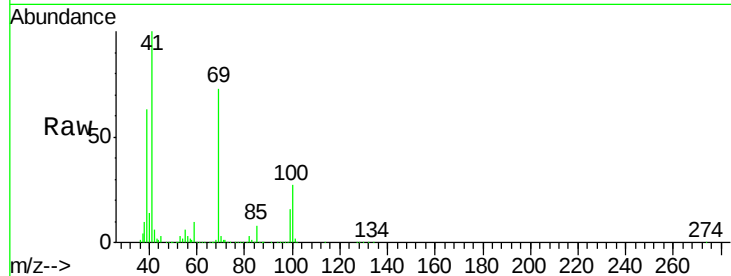
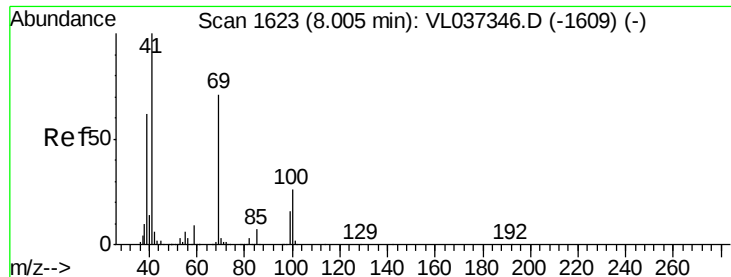
MMDadoda
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#42
Bromodichloromethane
Concen: 10.892 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.1	78.1
127	8.2	7.0	10.6





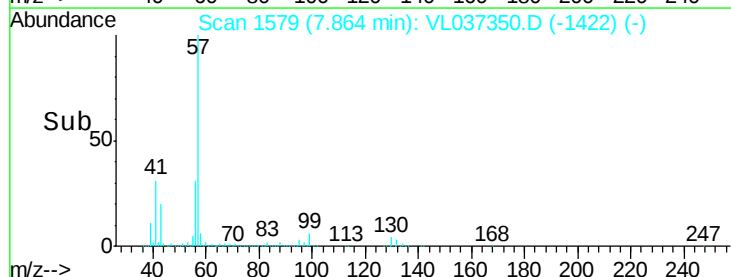
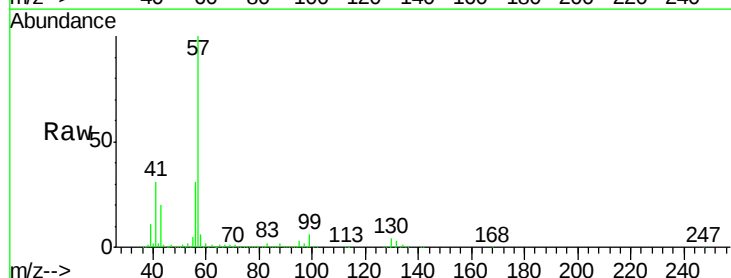
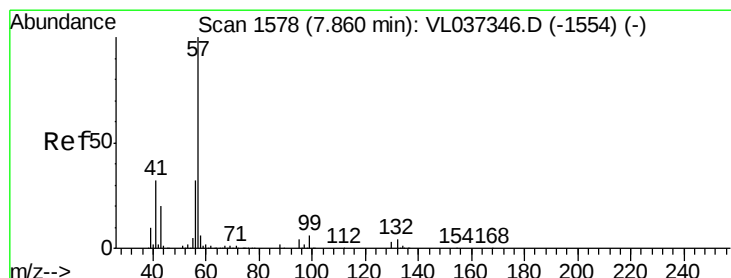
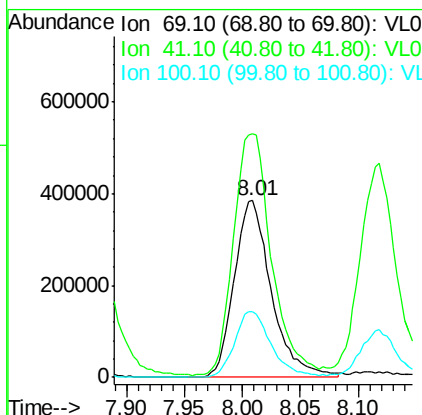
#43
Methvl Methacrilate
Concen: 11.136 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		855269		
41	143.9	115.0	172.4		
100	36.8	30.1	45.1		

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

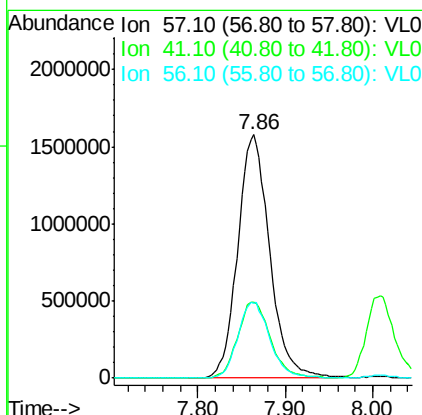
Manual Integrations
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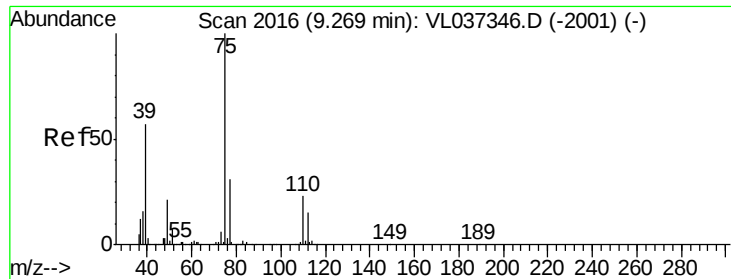
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#44
2,2,4-Trimethylpentane
Concen: 10.125 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		3995676		
41	32.1	26.1	39.1		
56	31.3	25.0	37.4		





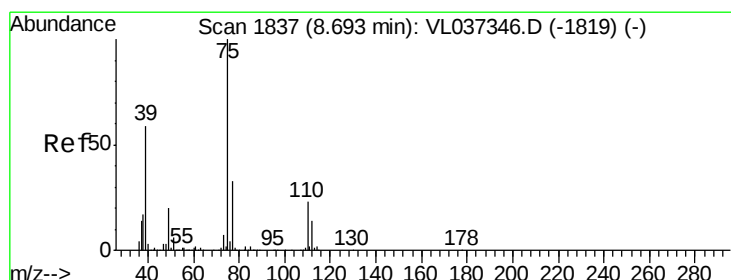
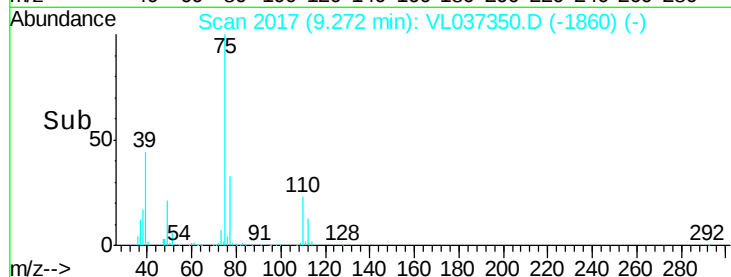
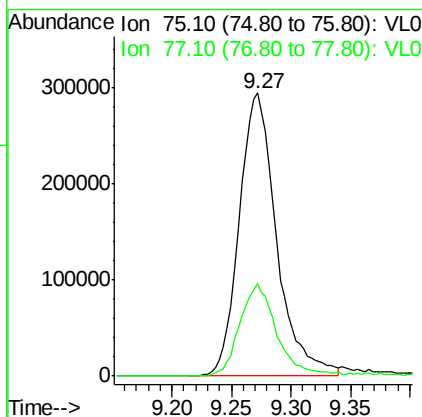
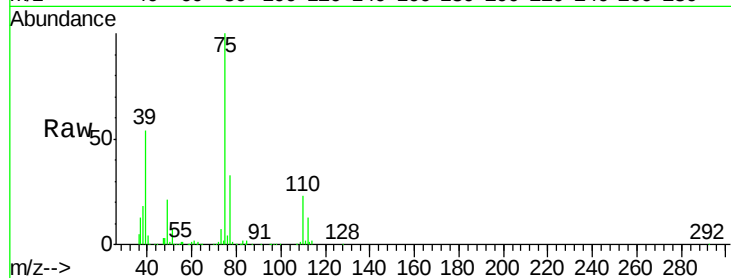
#45
t-1,3-Dichloropropene
Concen: 12.913 ppbv
RT: 9.27 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 75 Resp: 643073
Ion Ratio Lower Upper
75 100
77 32.6 24.7 37.1

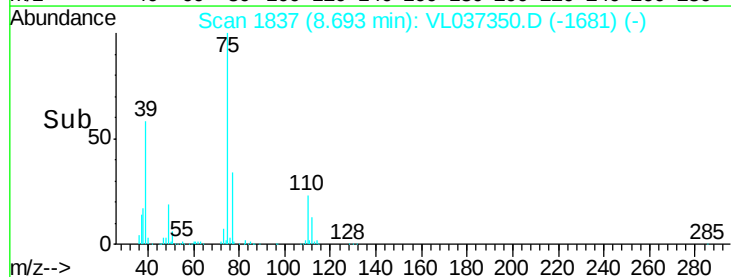
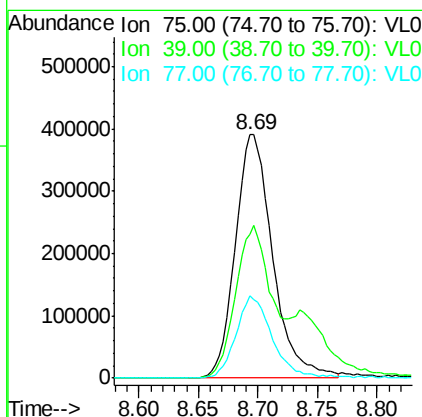
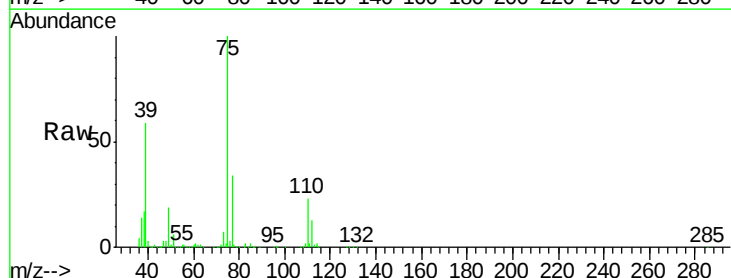
Manual Integrations
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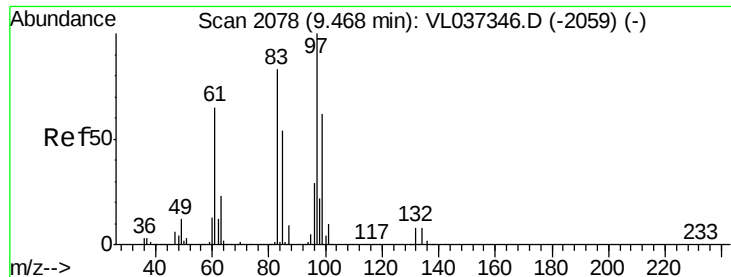
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#46
cis-1,3-Dichloropropene
Concen: 12.013 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion: 75 Resp: 851348
Ion Ratio Lower Upper
75 100
39 58.8 47.2 70.8
77 33.7 26.2 39.4





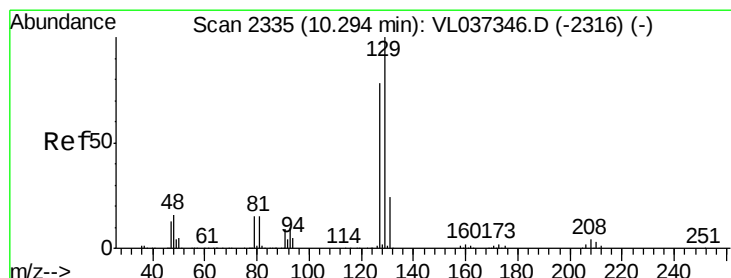
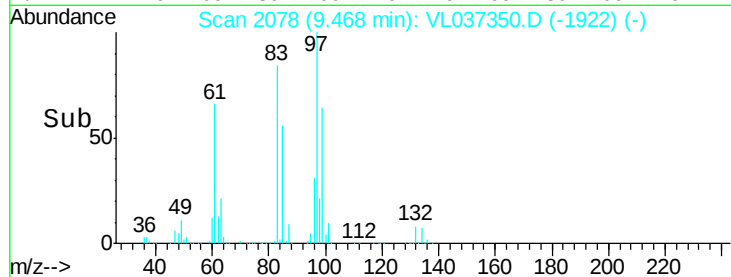
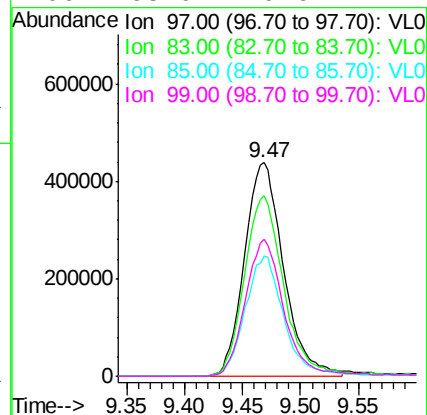
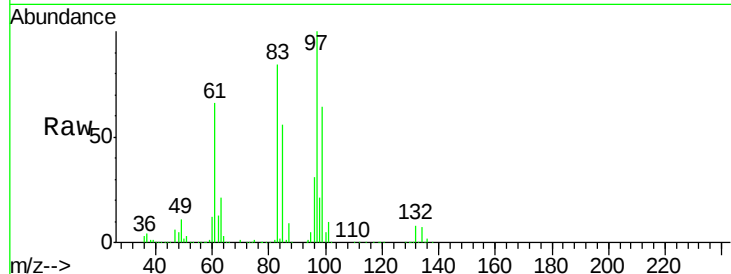
#47
 1,1,2-Trichloroethane
 Concen: 10.323 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.1	99.1
85	56.4	43.1	64.7
99	63.9	49.6	74.4

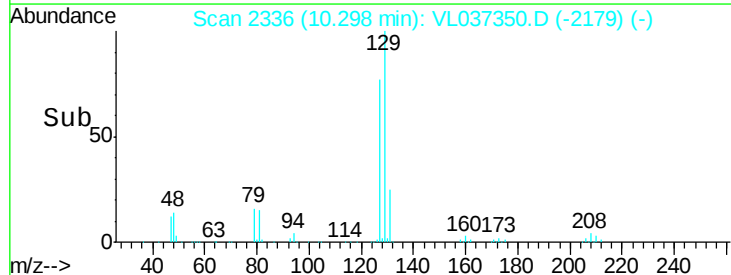
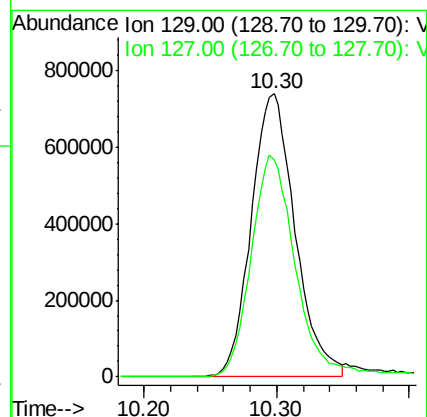
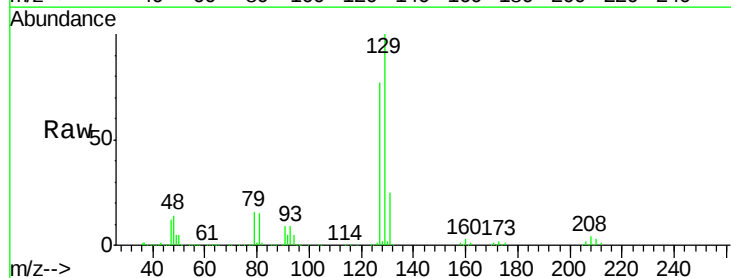
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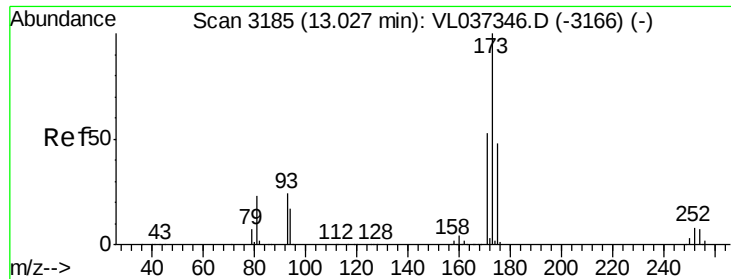
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#48
 Dibromochloromethane
 Concen: 11.067 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.5	39.3	117.8





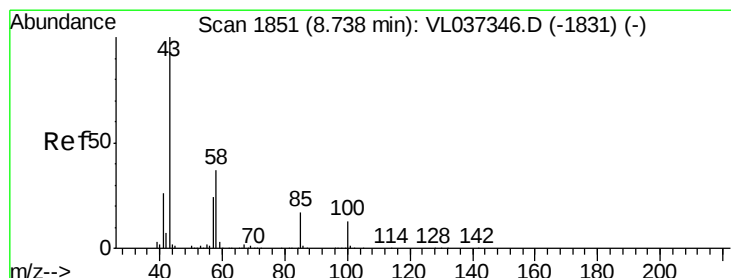
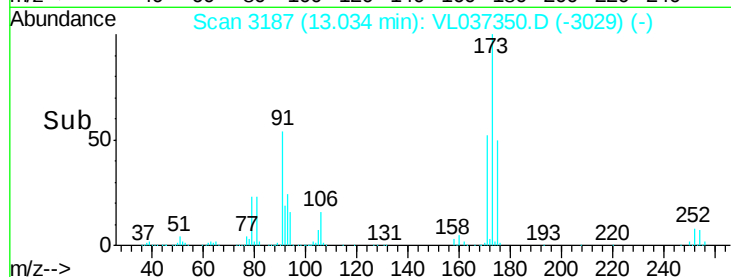
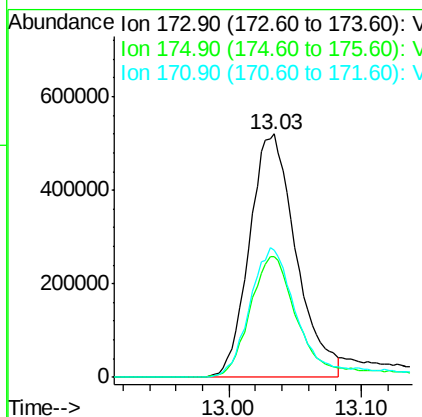
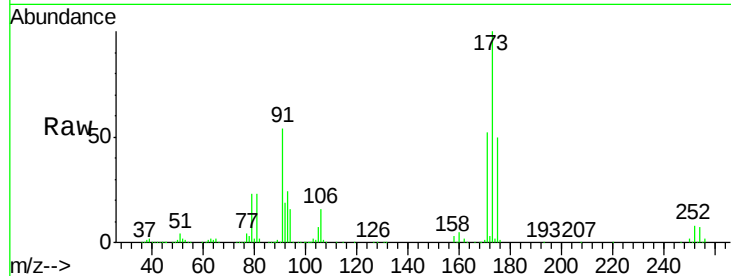
#49
Bromoform
Concen: 11.368 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion:173 Resp: 1276081
Ion Ratio Lower Upper
173 100
175 56.8 39.6 59.4
171 60.2 42.2 63.4

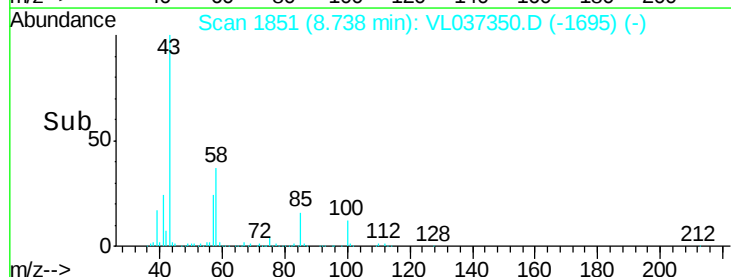
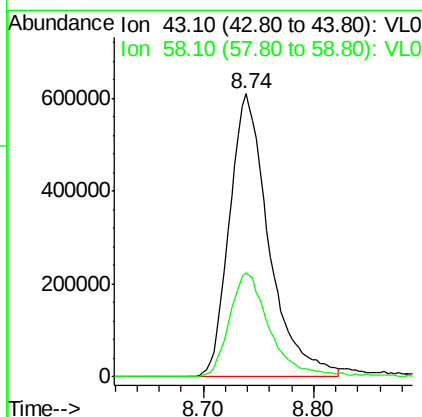
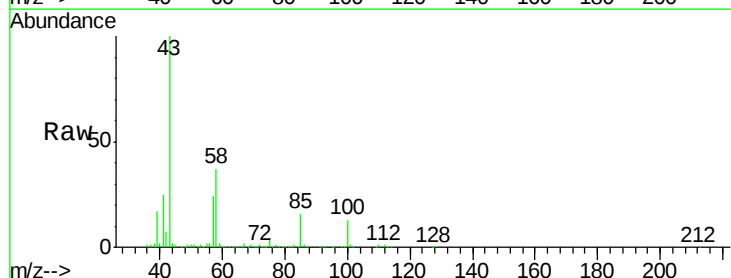
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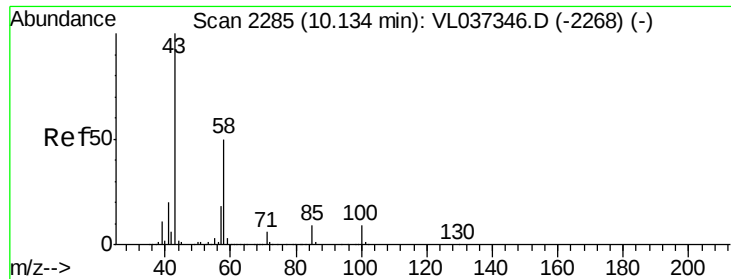
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#50
4-Methyl-2-Pentanone
Concen: 10.655 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion: 43 Resp: 1510805
Ion Ratio Lower Upper
43 100
58 38.1 29.9 44.9





#51

2-Hexanone

Concen: 10.854 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

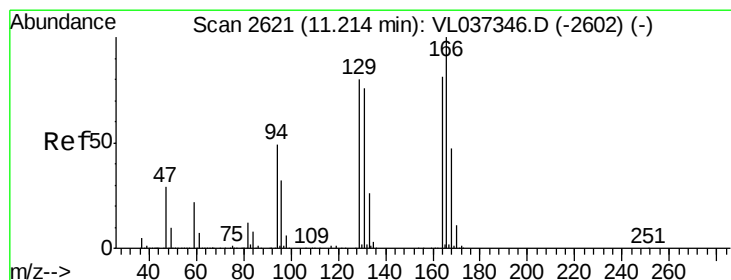
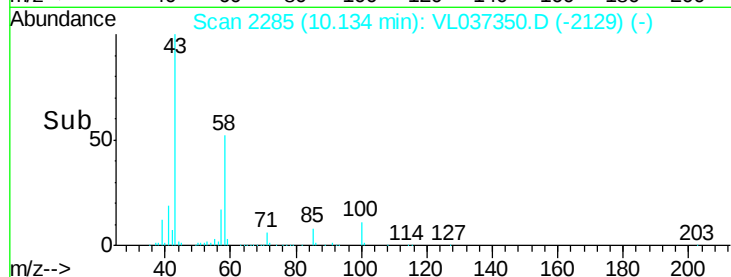
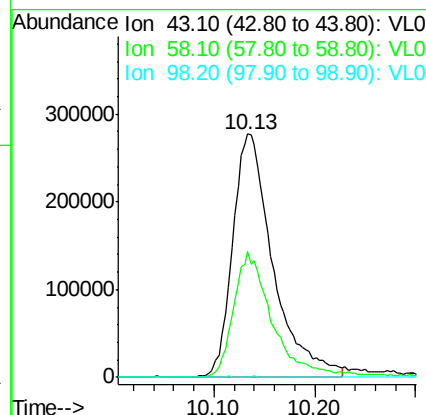
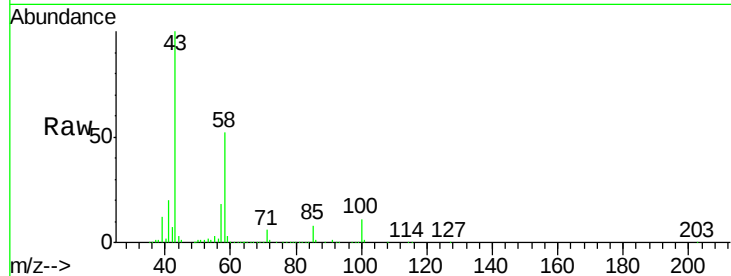
VL0806ABS01

Tot Ion: 43 Resp: 771147

Ion	Ratio	Lower	Upper
43	100		
58	49.7	41.0	61.6
98	0.4	0.2	0.2#

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#52

Tetrachloroethene

Concen: 9.101 ppbv

RT: 11.21 min Scan# 2621

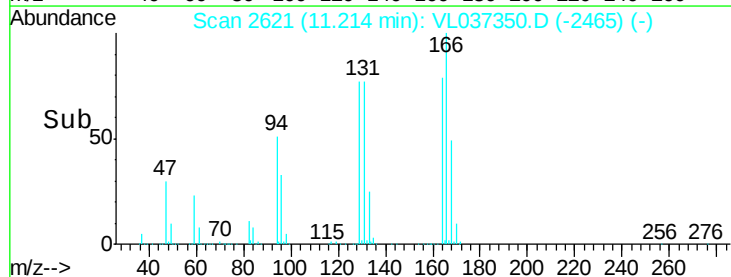
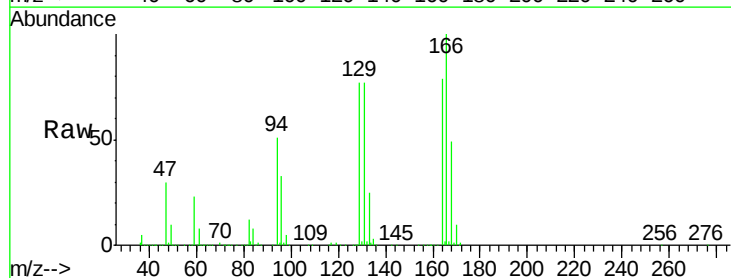
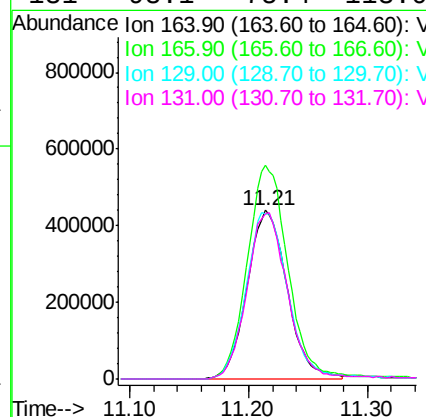
Delta R.T. 0.00 min

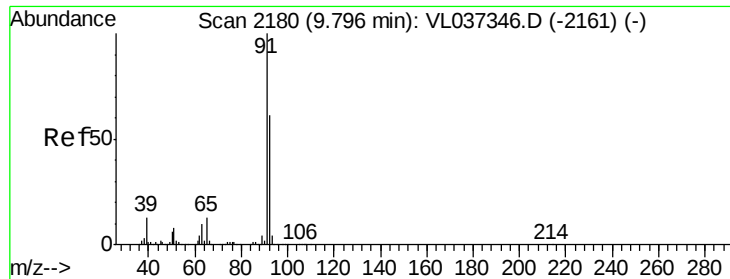
Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Tgt Ion: 164 Resp: 1024364

Ion	Ratio	Lower	Upper
164	100		
166	126.7	99.4	149.0
129	98.1	79.2	118.8
131	98.1	75.4	113.0





#53

Toluene

Concen: 10.503 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 91 Resp: 2889404

Ion Ratio Lower Upper

91 100

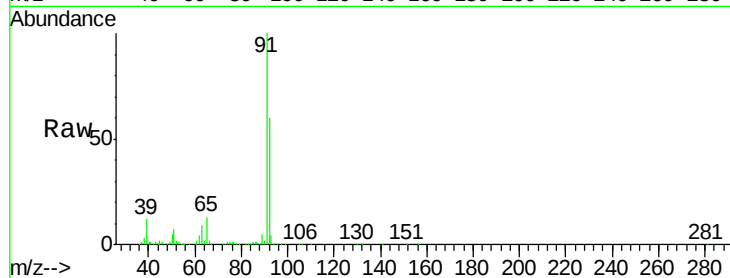
92 61.7 48.2 72.4

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.80

1500000

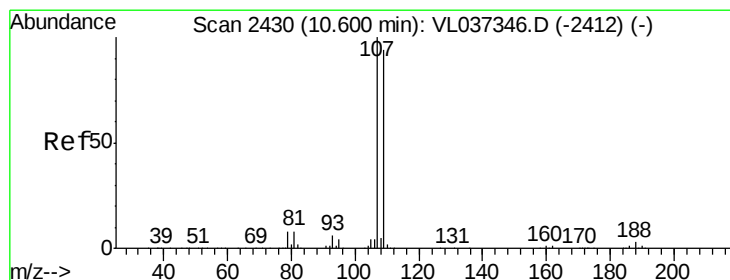
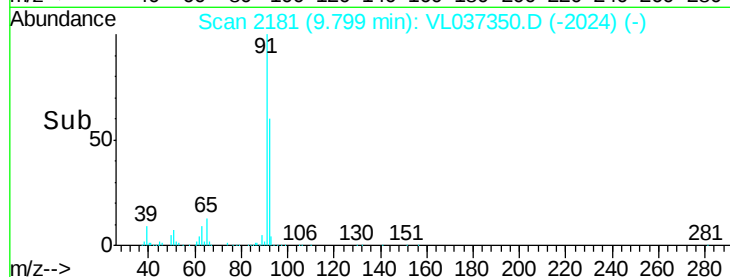
1000000

500000

0

9.70 9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 10.428 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL037350.D

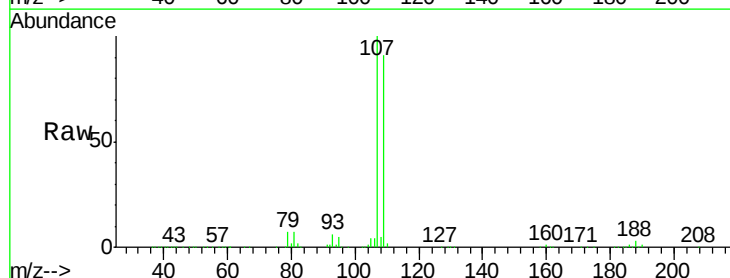
Acq: 6 Aug 2021 19:18

Tgt Ion:107 Resp: 1431119

Ion Ratio Lower Upper

107 100

109 90.8 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.60

600000

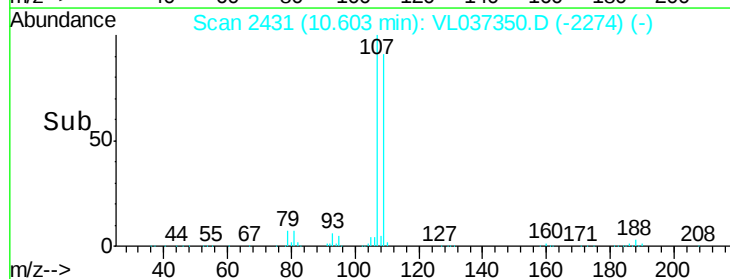
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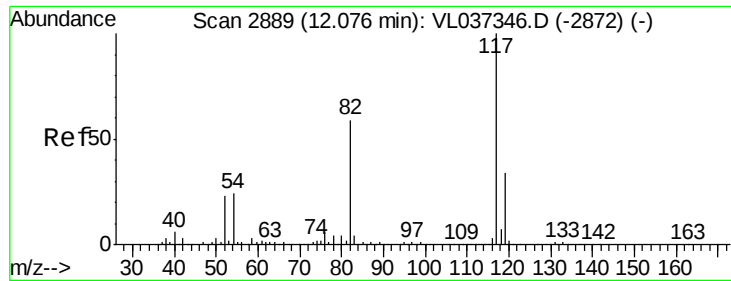
200000

0

10.50 10.60

Time-->





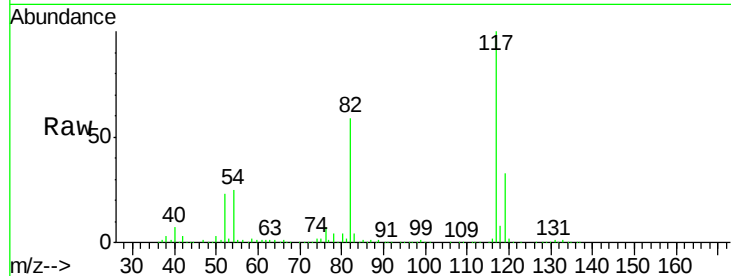
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

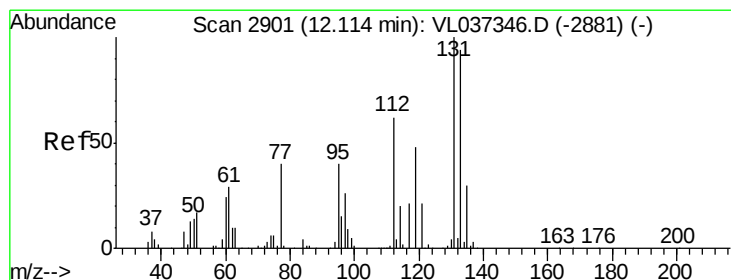
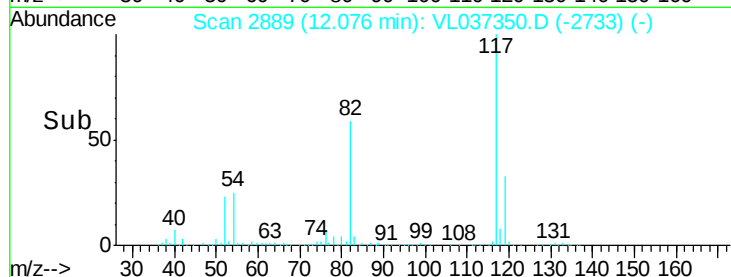
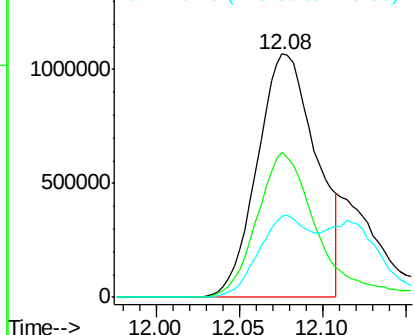
Tot Ion:117 Resp: 2631745
Ion Ratio Lower Upper
117 100
82 65.4 46.0 69.0
119 33.2 24.4 36.6

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8/10/2021 6:09:42 PM

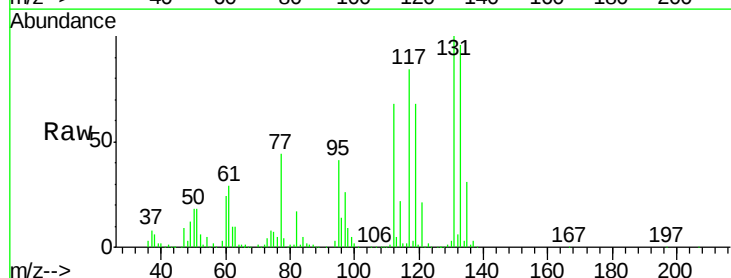


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

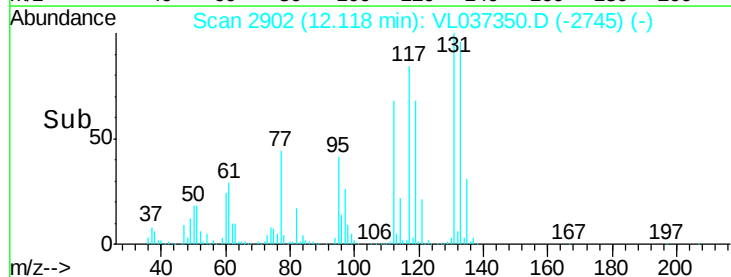
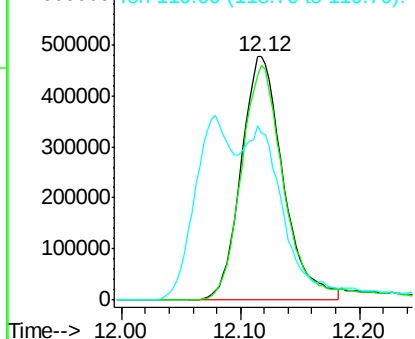


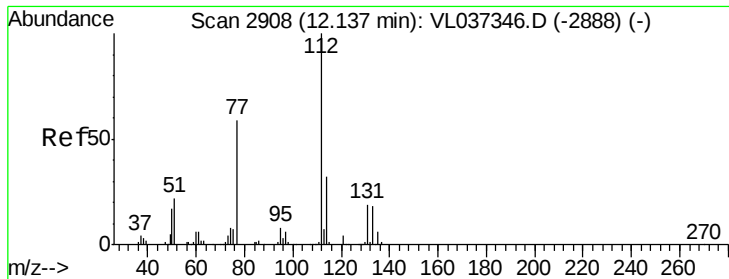
#56
1,1,1,2-Tetrachloroethane
Concen: 10.445 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion:131 Resp: 1164747
Ion Ratio Lower Upper
131 100
133 104.6 76.6 114.8
119 81.8 51.8 77.6#



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





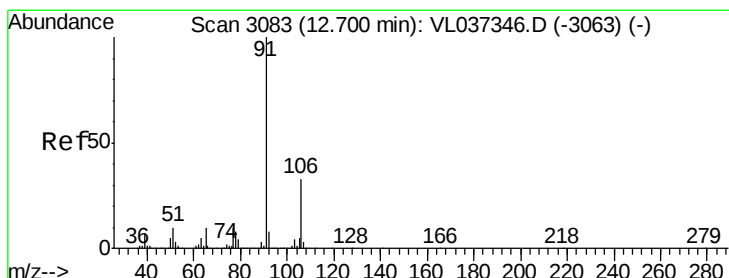
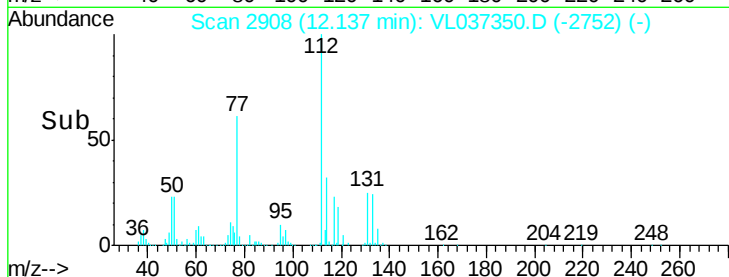
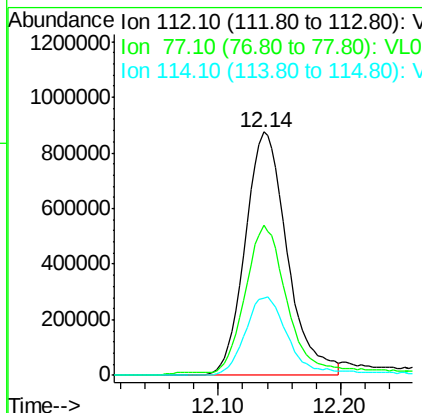
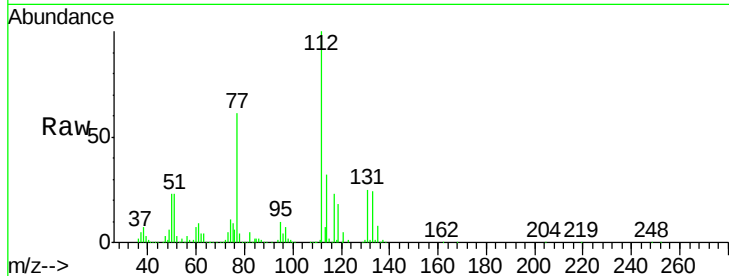
#57
Chlorobenzene
Concen: 10.105 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.3	48.1	72.1
114	31.7	29.0	35.4

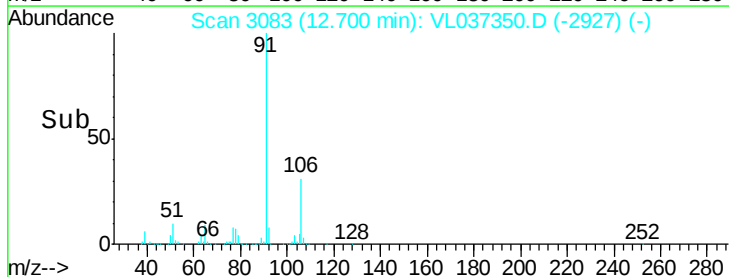
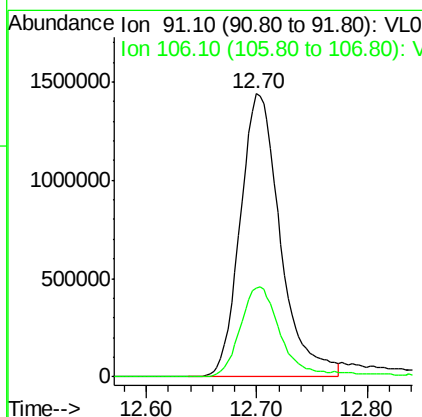
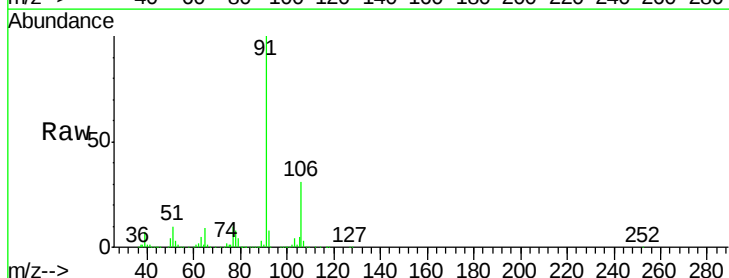
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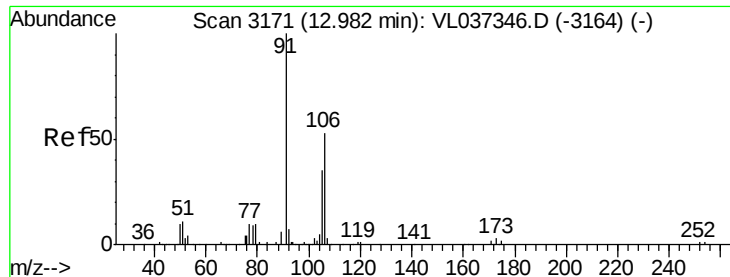
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#58
Ethyl Benzene
Concen: 10.563 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	26.2	39.2





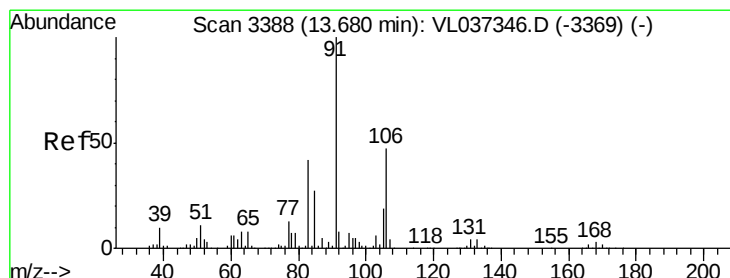
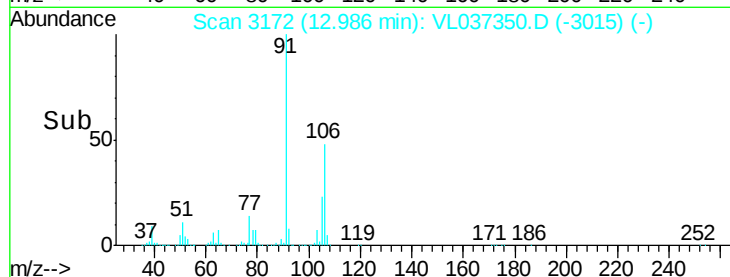
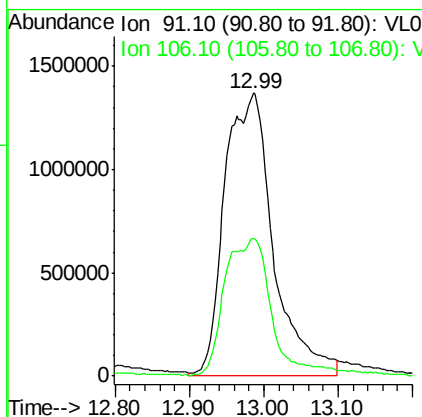
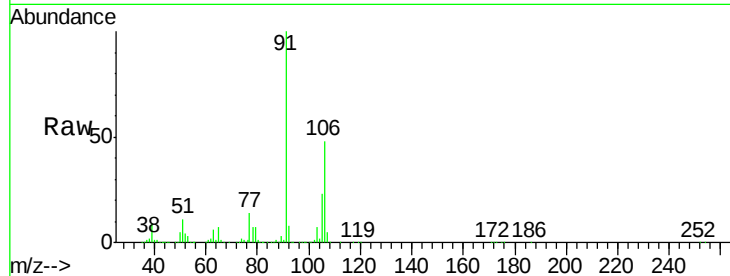
#59
m/p-Xylene
Concen: 20.924 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion: 91 Resp: 6259360
Ion Ratio Lower Upper
91 100
106 47.9 37.0 55.6

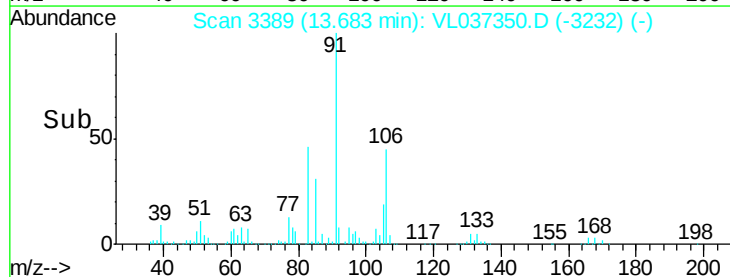
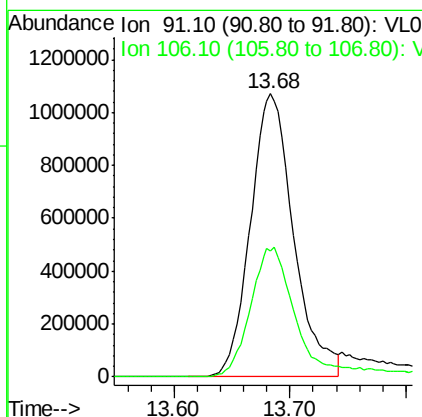
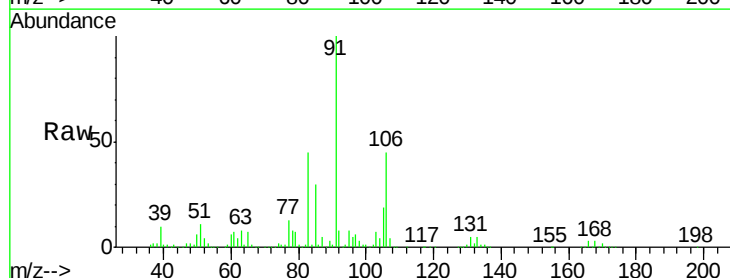
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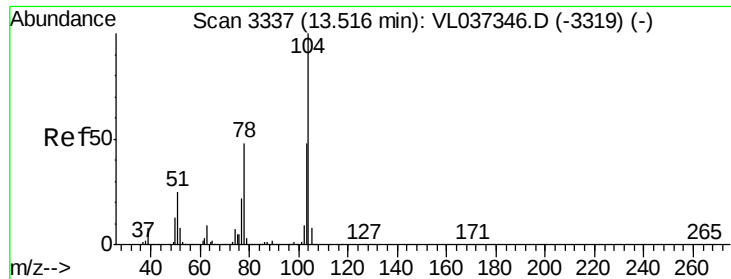
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#60
o-Xylene
Concen: 9.988 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion: 91 Resp: 2769270
Ion Ratio Lower Upper
91 100
106 50.9 23.1 69.3





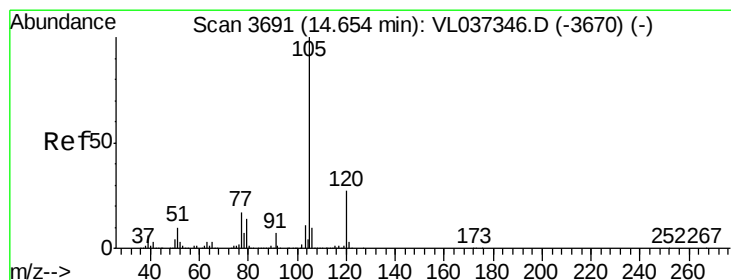
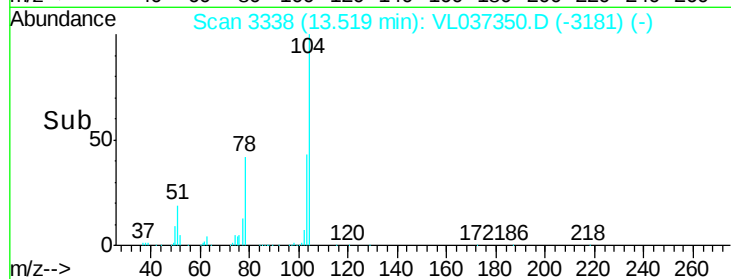
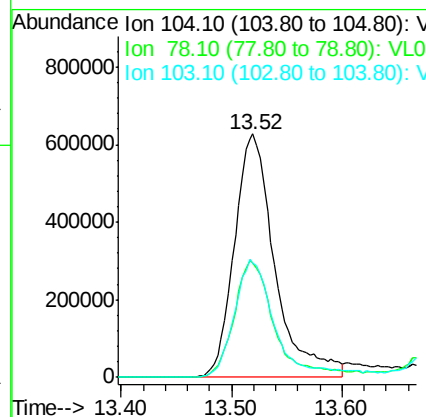
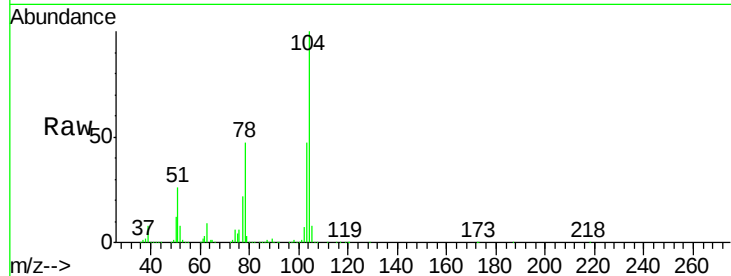
#61
Stvrene
Concen: 11.162 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	38.2	57.4
103	49.3	38.3	57.5

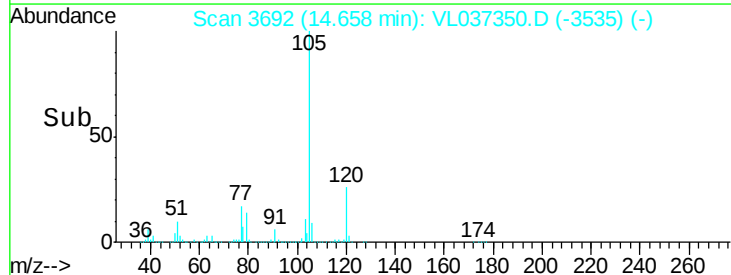
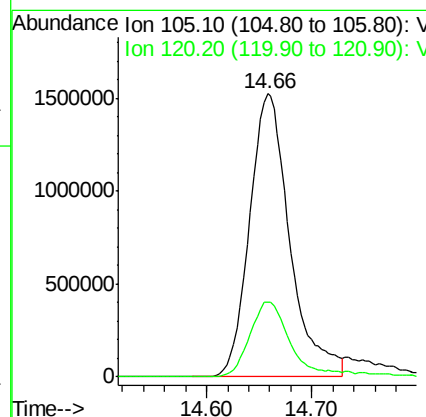
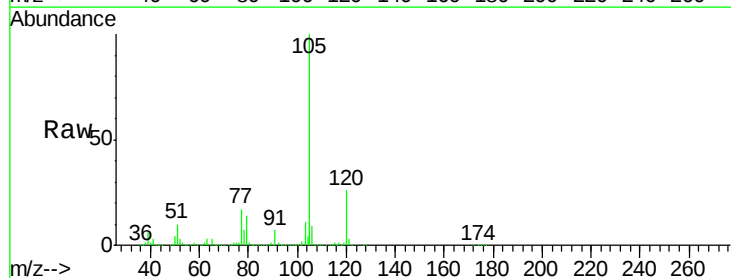
Manual Integrations
APPROVED

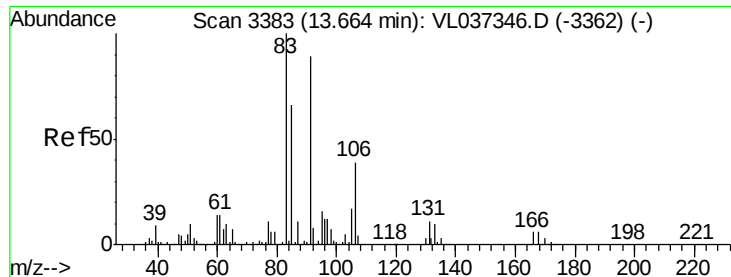
MMDadoda
8/10/2021 6:09:42 PM



#62
Isopropylbenzene
Concen: 9.954 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.4	32.2





#63

1,1,2,2-Tetrachloroethane

Concen: 9.021 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 83 Resp: 1961284

Ion Ratio Lower Upper

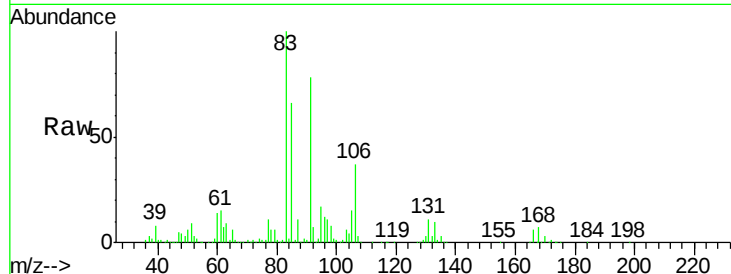
83 100

131 11.2 5.3 16.1

85 70.1 33.1 99.2

Manual Integrations
APPROVED

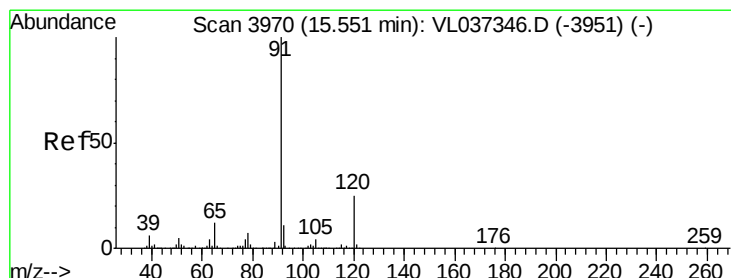
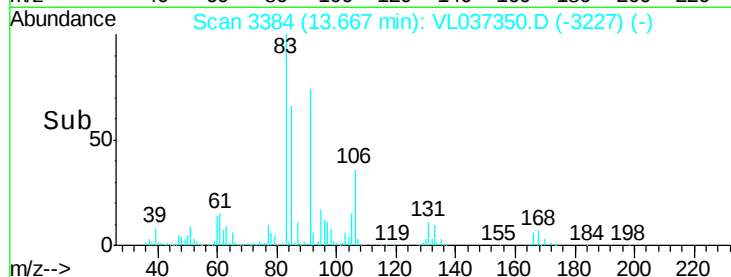
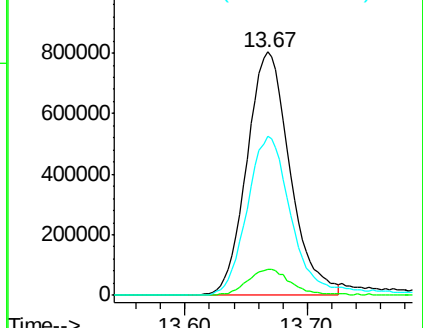
MMDadoda
8/10/2021 6:09:42 PM



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: 10.432 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VL037350.D

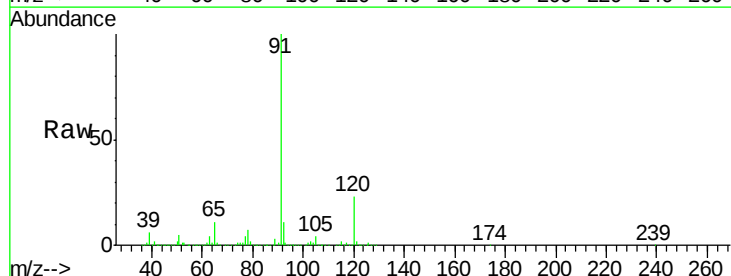
Acq: 6 Aug 2021 19:18

Tgt Ion:120 Resp: 1079981

Ion Ratio Lower Upper

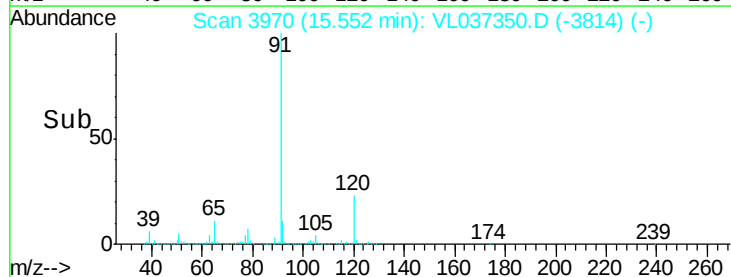
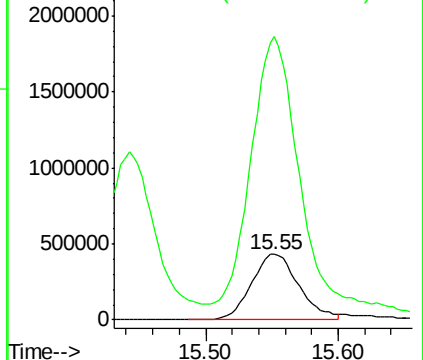
120 100

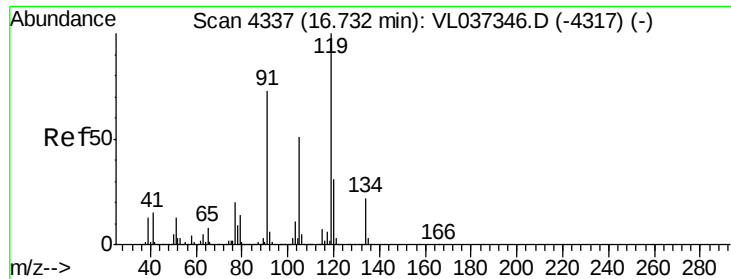
91 477.4 344.6 517.0



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





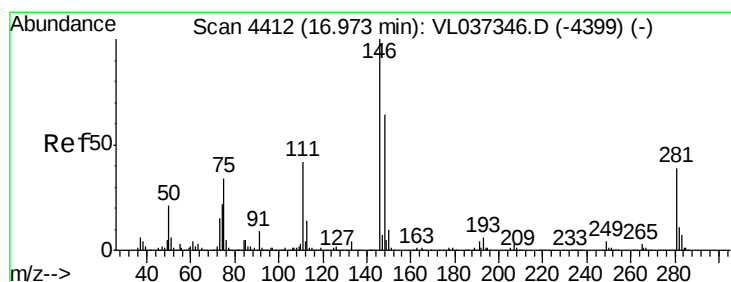
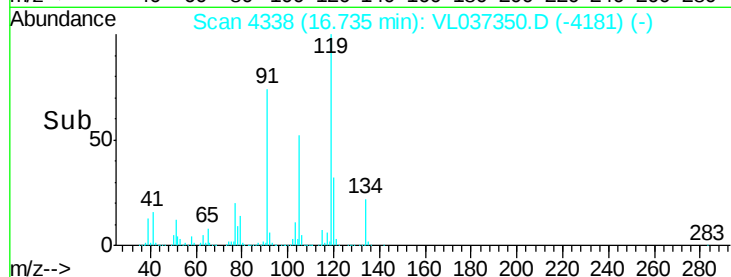
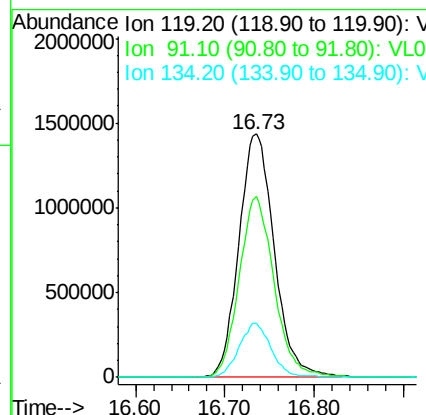
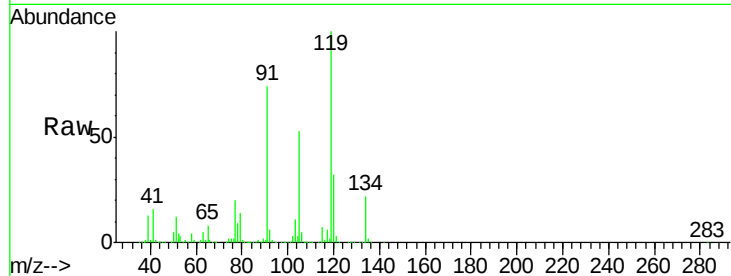
#65
tert-Butylbenzene
Concen: 10.585 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.5	59.6	89.4
134	20.3	16.6	24.8

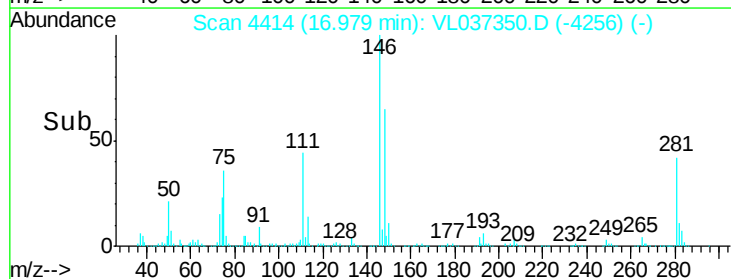
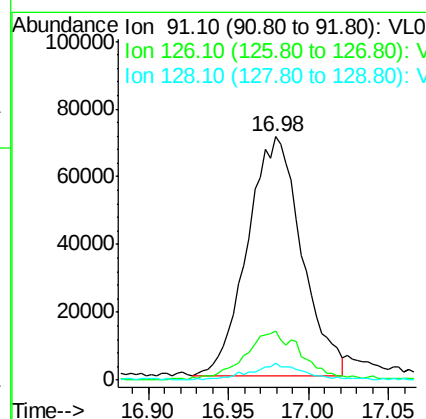
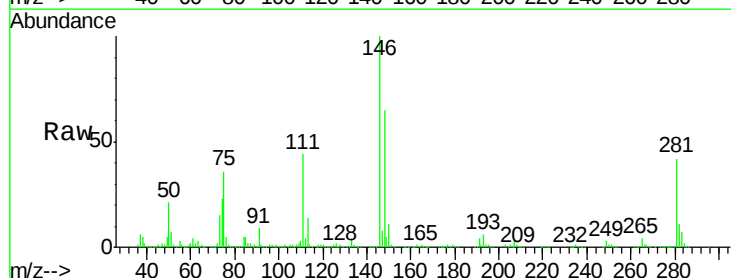
Manual Integrations
APPROVED

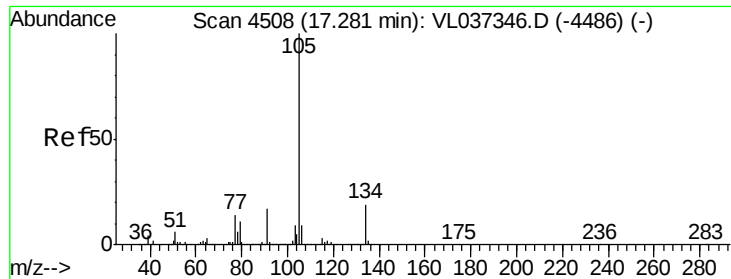
MMDadoda
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#66
Benzyl Chloride
Concen: 11.042 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.01 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	22.1	19.2	28.8
128	7.0	5.8	8.6





#67

sec-Butylbenzene

Concen: 10.789 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:105 Resp: 5346147

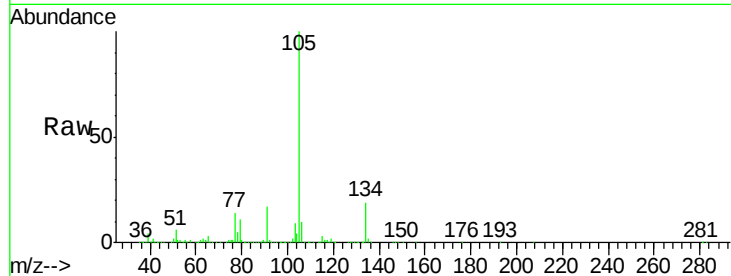
Ion Ratio Lower Upper

105 100

134 19.5 15.6 23.4

Manual Integrations
APPROVED

MMDadoda
8/10/2021 6:09:42 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

2000000

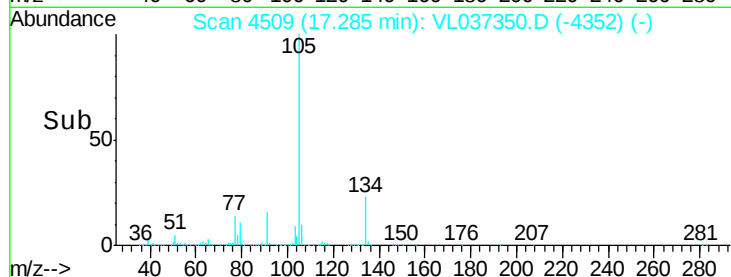
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1000000

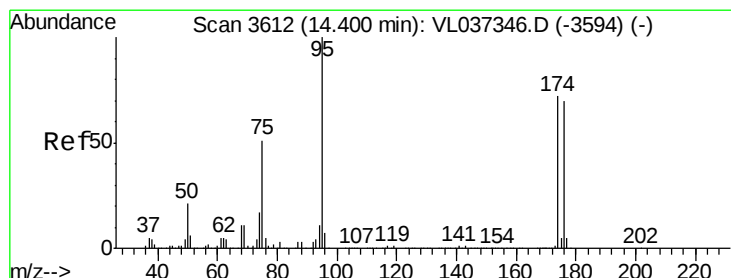
500000

0

Time-->



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.995 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

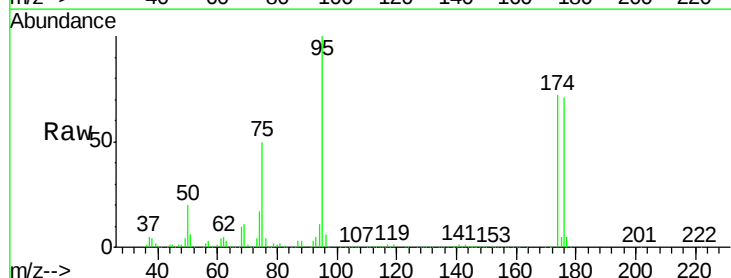
Tgt Ion: 95 Resp: 1852978

Ion Ratio Lower Upper

95 100

174 83.7 60.8 91.2

175 5.6 4.3 6.5



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

1000000

800000

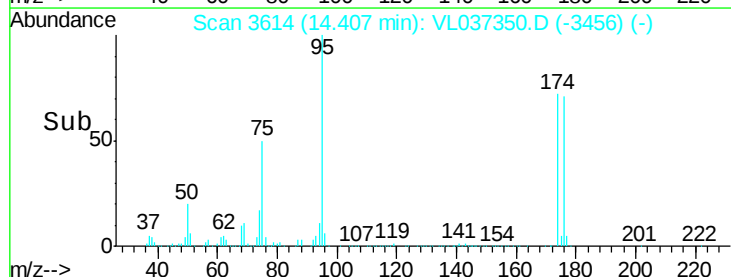
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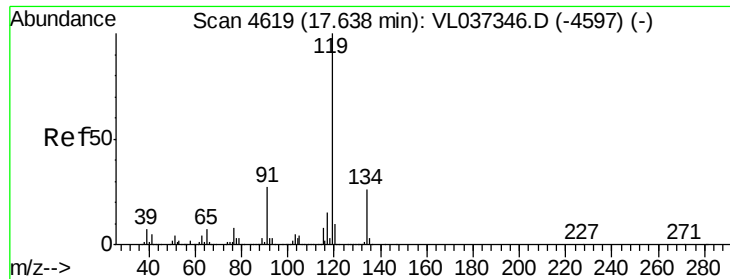
200000

0

Time-->



Time-->



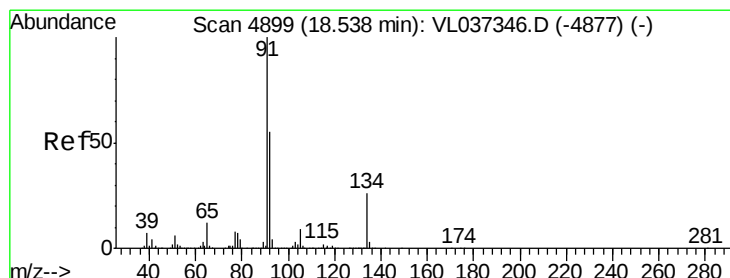
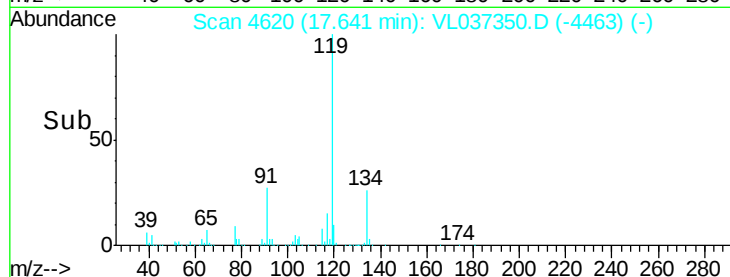
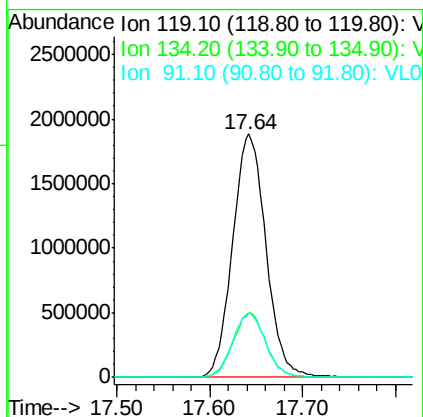
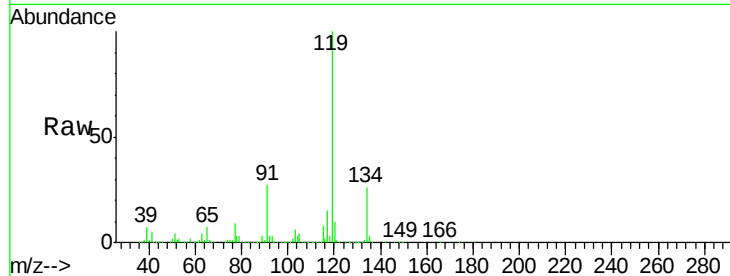
#69
p-Isopropyltoluene
Concen: 10.982 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
VL0806ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.8	31.2
91	26.3	21.0	31.6

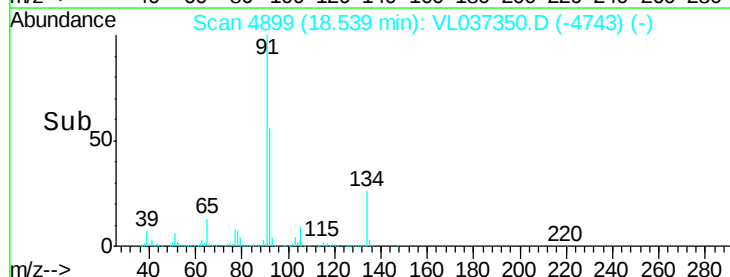
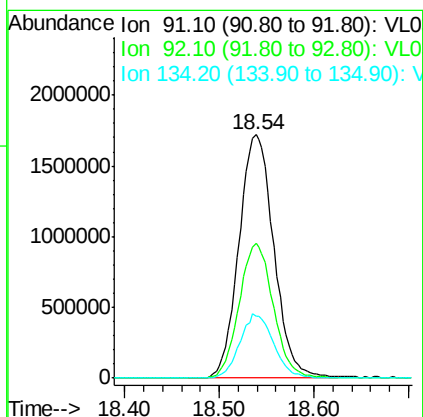
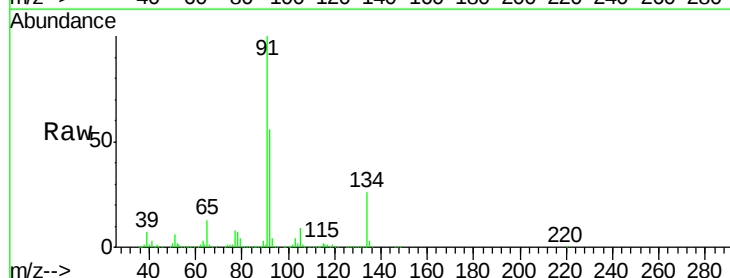
Manual Integrations
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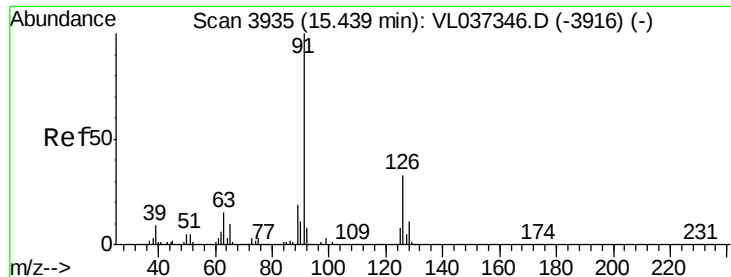
MMDadoda
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#70
n-Butylbenzene
Concen: 11.538 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. 0.00 min
Lab File: VL037350.D
Acq: 6 Aug 2021 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.5	65.3
134	25.6	20.4	30.6





#71

2-Chlorotoluene

Concen: 10.350 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion: 91 Resp: 2834478

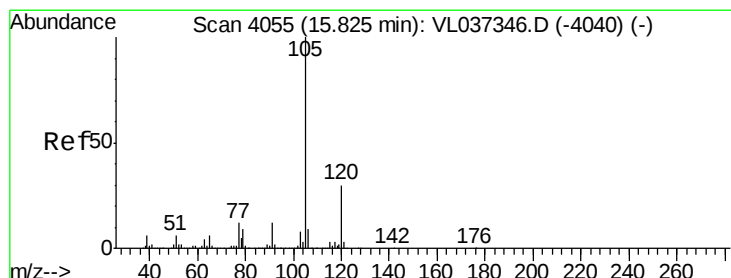
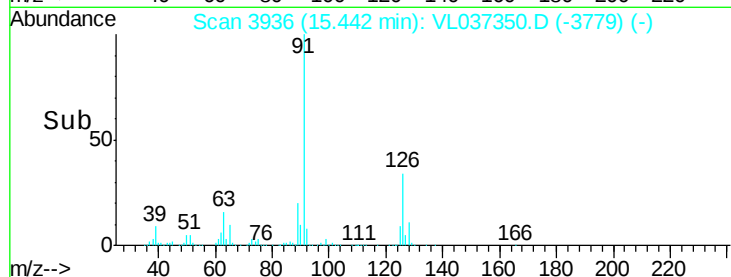
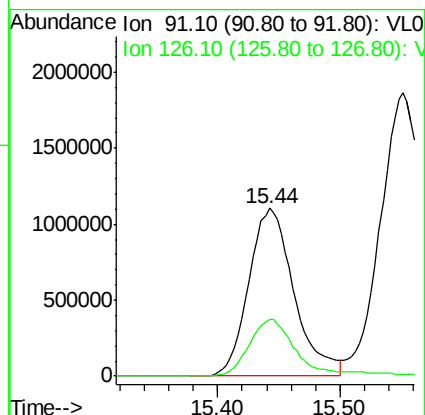
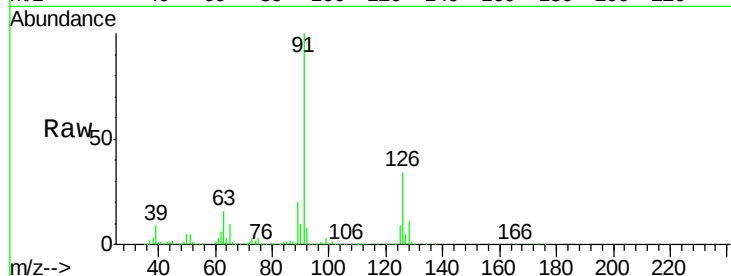
Ion Ratio Lower Upper

91 100

126 36.4 13.4 53.6

Manual Integrations
APPROVED

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#72

4-Ethyltoluene

Concen: 11.493 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Tgt Ion:105 Resp: 3768938

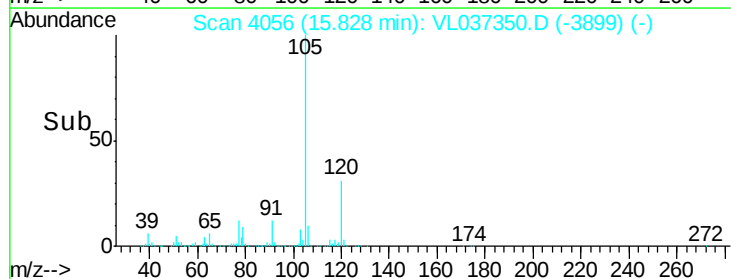
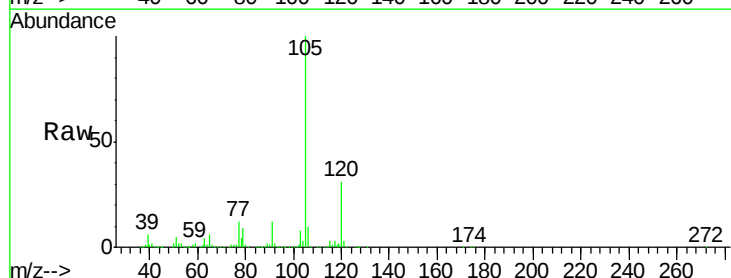
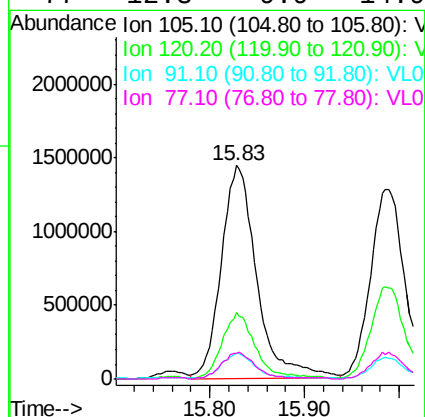
Ion Ratio Lower Upper

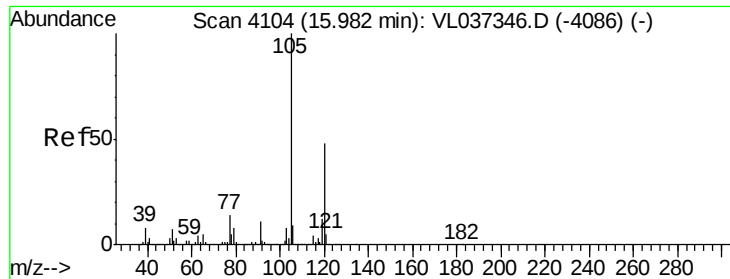
105 100

120 29.9 24.4 36.6

91 11.1 9.8 14.6

77 12.3 9.9 14.9





#73

1,3,5-Trimethylbenzene

Concen: 10.779 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:105 Resp: 3338036

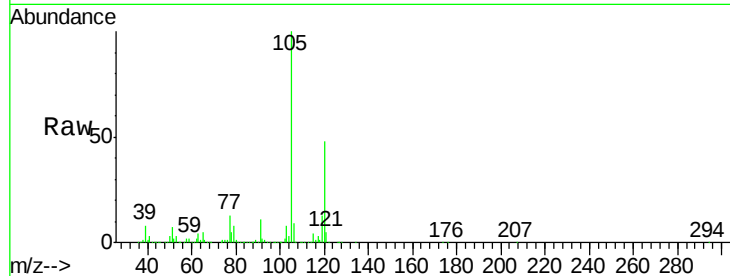
Ion Ratio Lower Upper

105 100

120 48.5 38.1 57.1

Manual Integrations
APPROVED

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8/10/2021 6:09:42 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

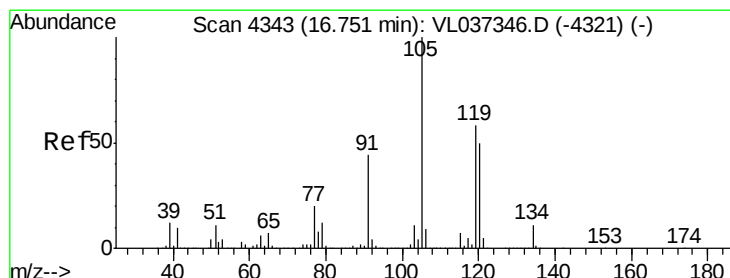
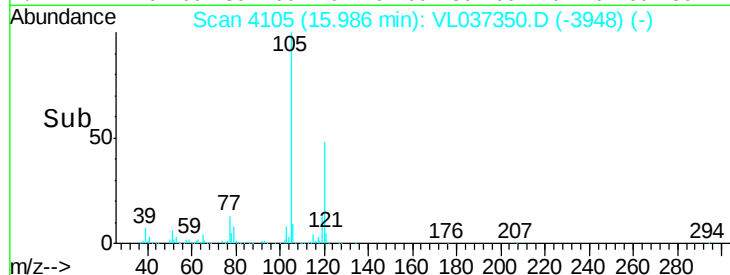
15.99

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.870 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Tgt Ion:105 Resp: 3533447

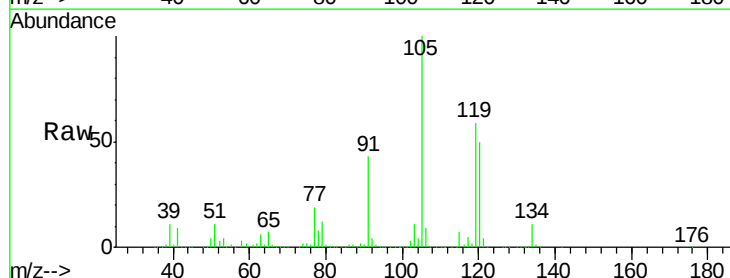
Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5

91 43.4 35.0 52.6

77 19.2 16.1 24.1



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

2000000

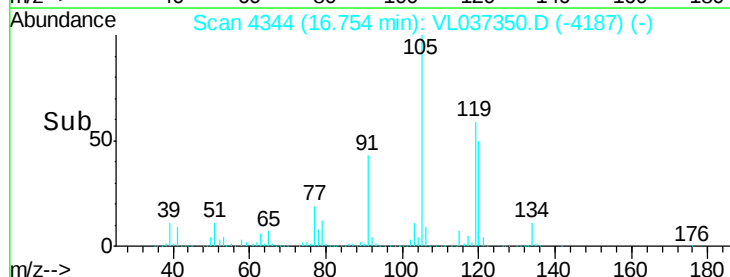
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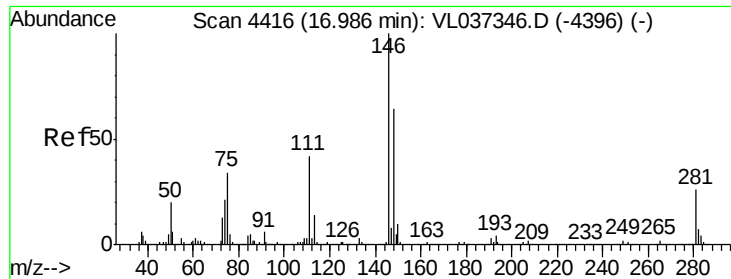
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 10.774 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:146 Resp: 2216778

Ion Ratio Lower Upper

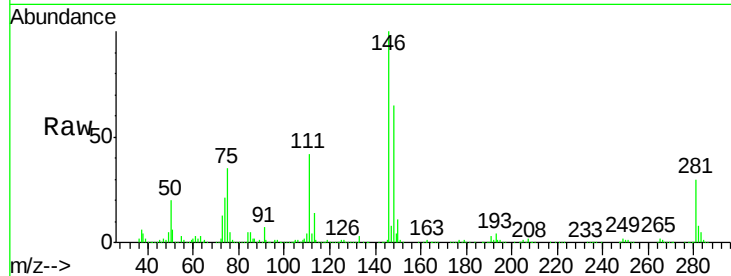
146 100

111 42.6 21.5 64.5

148 64.6 32.2 96.6

Manual Integrations
APPROVED

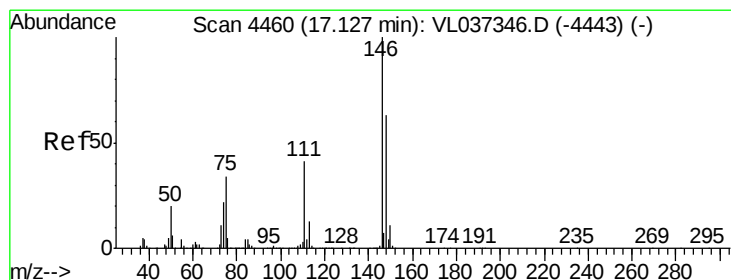
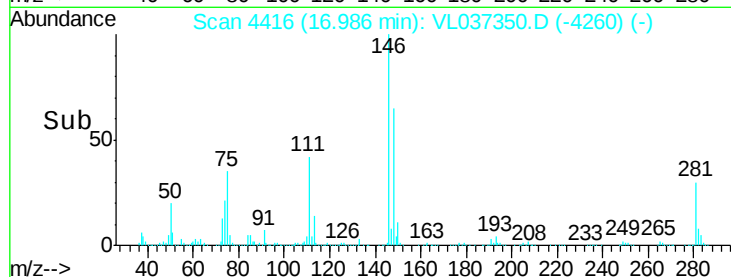
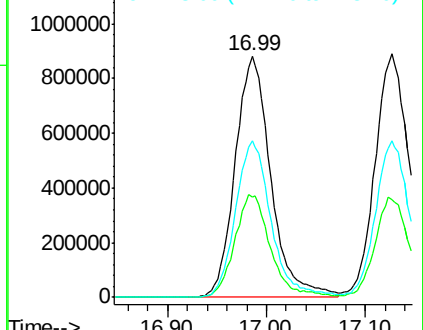
MMDadoda
8/10/2021 6:09:42 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.799 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

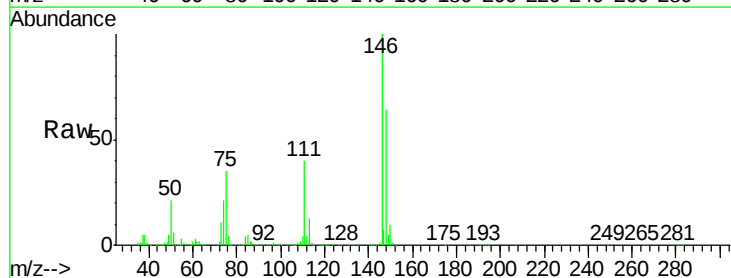
Tgt Ion:146 Resp: 2179337

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.3

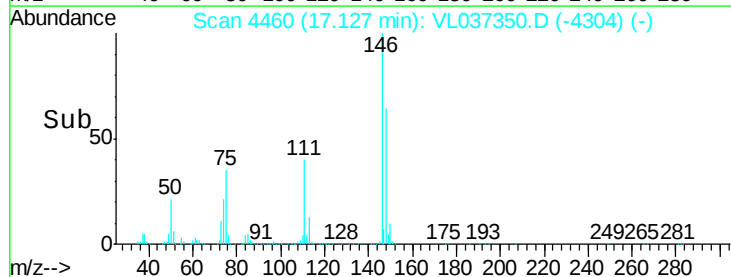
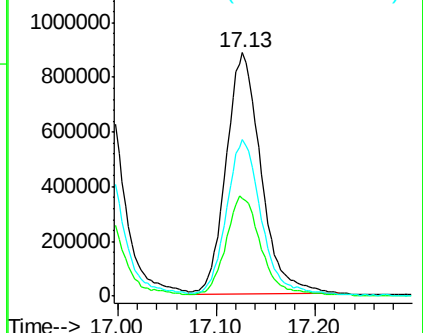
148 66.0 32.8 98.4

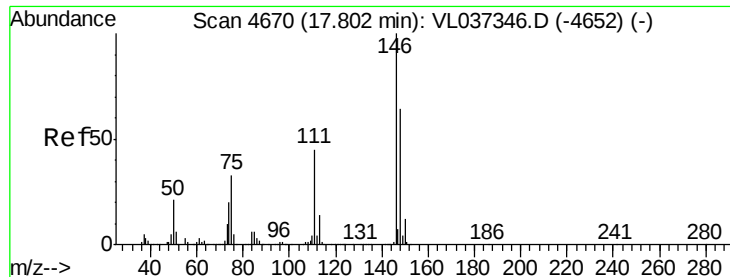


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.905 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:146 Resp: 2177143

Ion Ratio Lower Upper

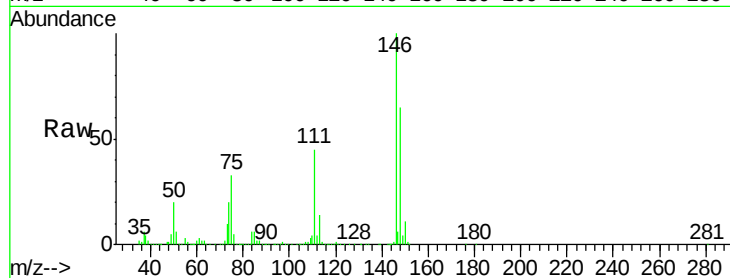
146 100

111 44.2 22.4 67.2

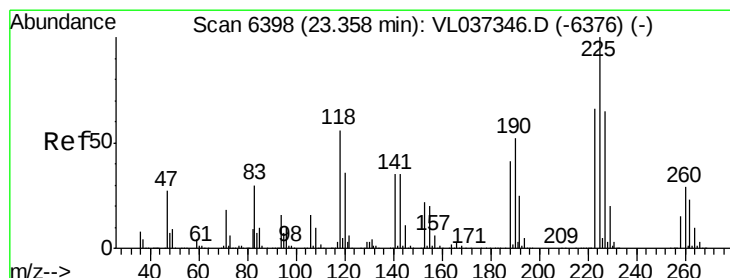
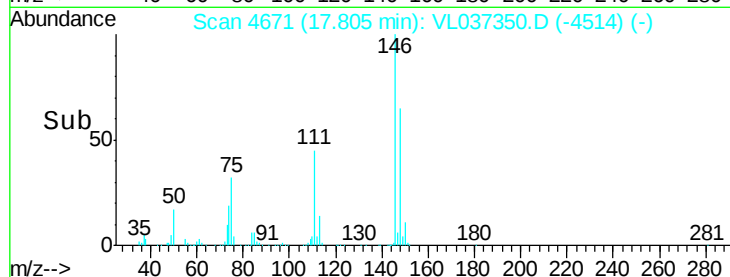
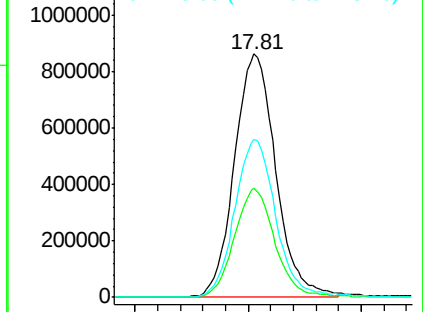
148 64.9 32.9 98.6

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8/10/2021 6:09:42 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: 10.194 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

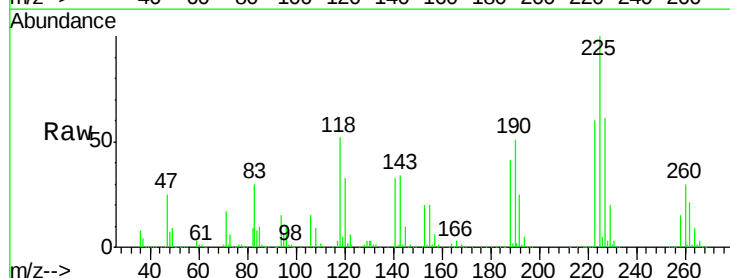
Tgt Ion:225 Resp: 1609284

Ion Ratio Lower Upper

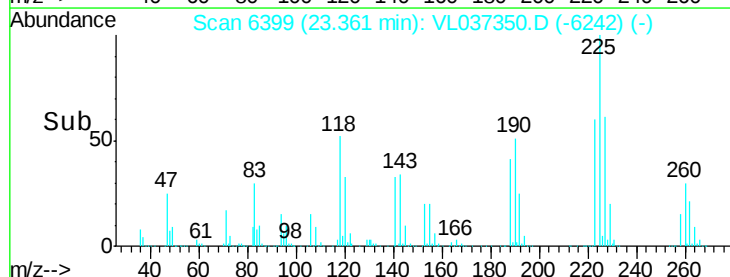
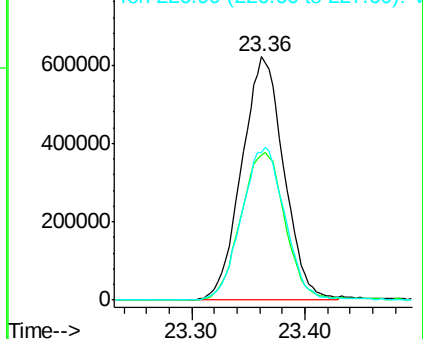
225 100

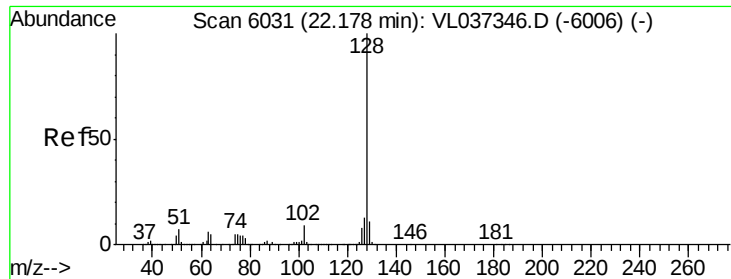
223 64.4 51.3 76.9

227 65.0 51.6 77.4



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.880 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

VL0806ABS01

Tot Ion:128 Resp: 2960049

Ion Ratio Lower Upper

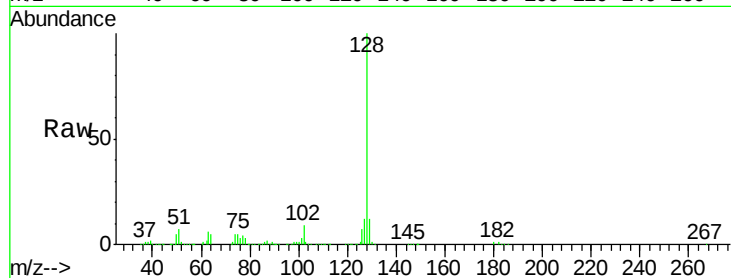
128 100

127 12.1 10.2 15.2

129 11.9 8.8 13.2

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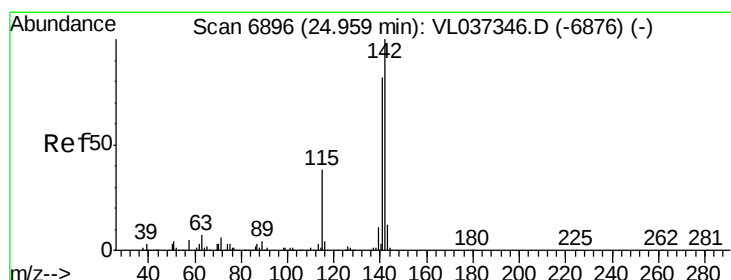
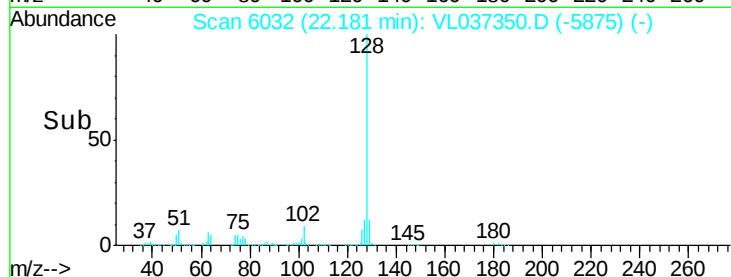
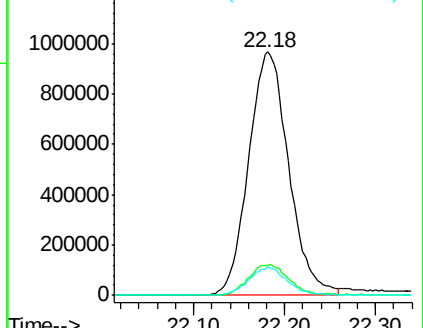
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.363 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.00 min

Lab File: VL037350.D

Acq: 6 Aug 2021 19:18

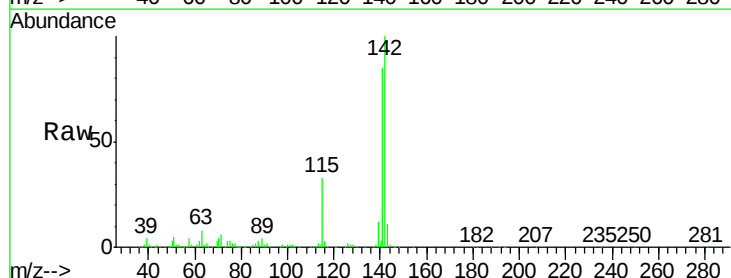
Tgt Ion:142 Resp: 474608

Ion Ratio Lower Upper

142 100

141 83.0 67.2 100.8

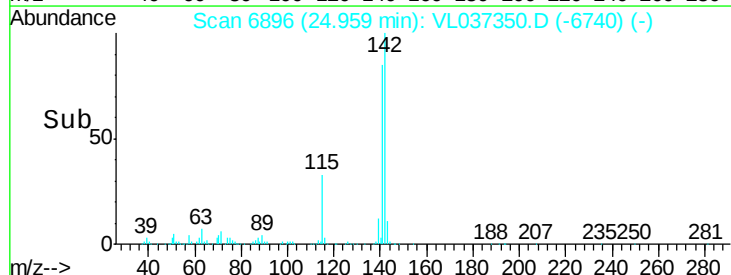
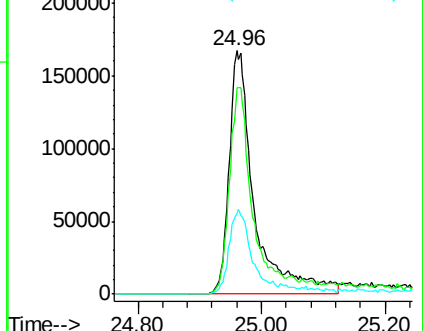
115 34.3 29.4 44.2

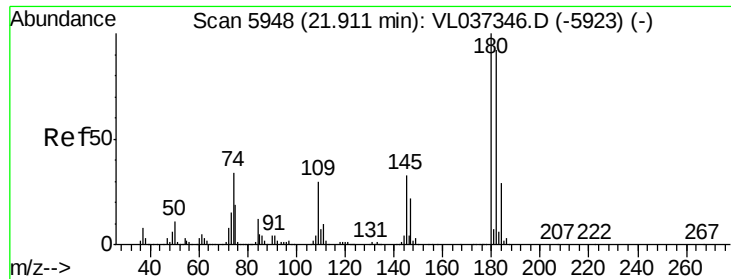


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





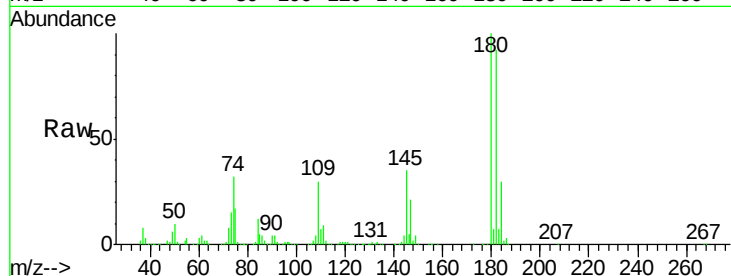
#81
 1,2,4-Trichlorobenzene
 Concen: 11.893 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.00 min
 Lab File: VL037350.D
 Acq: 6 Aug 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0806ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	78.1	117.1
184	30.5	24.9	37.3

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

