

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036876.D
 Acq On : 28 Apr 2021 12:05
 Operator : SY/AP
 Sample : VL0428ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0428ABS01

Manual Integrations
 APPROVED

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 4/29/2021 5:53:50 PM

Quant Time: Apr 29 03:18:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 29 03:18:55 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1560515	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3971047	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3656265m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3107802	10.59	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2266215	9.221	ppbv	100
3) Chlorodifluoromethane	3.00	51	2687993	9.456	ppbv	100
4) Chloromethane	3.15	50	918112	9.827	ppbv	96
5) Vinyl Chloride	3.27	62	914292	9.702	ppbv	98
6) Bromomethane	3.48	94	520057	10.262	ppbv	98
7) Chloroethane	3.56	64	310856	10.038	ppbv #	86
8) Dichlorotetrafluoroethane	3.20	85	2201447	9.821	ppbv	98
9) Propene	3.02	41	818353	9.448	ppbv	98
10) Heptane	8.14	43	2207077	10.132	ppbv	97
11) Trichlorofluoromethane	3.96	101	2154412	9.821	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1418327	9.660	ppbv	100
13) Ethanol	3.62	45	87588m	7.929	ppbv	
14) Bromoethene	3.75	108	601253	10.023	ppbv	100
15) Acetone	3.86	43	1170922	7.961	ppbv	100
16) 1,3-Butadiene	3.33	39	924557	9.830	ppbv	99
17) tert-Butyl alcohol	4.30	59	1246535	10.441	ppbv	100
18) 1,1-Dichloroethene	4.30	96	630520	9.881	ppbv	97
19) Isopropyl Alcohol	3.98	45	674418	9.254	ppbv	99
20) Methylene Chloride	4.36	84	550571m	7.828	ppbv	
21) Allyl Chloride	4.42	41	1050023	9.607	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	607804	9.492	ppbv	99
23) Vinyl Acetate	5.09	43	2350618	11.749	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1575408	11.092	ppbv	99
25) Ethyl Acetate	5.69	43	3393321	9.445	ppbv	99
26) Hexane	5.70	57	1588008	9.447	ppbv	95
27) Carbon Disulfide	4.56	76	1522641	10.429	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1774842	11.912	ppbv	100
29) Chloroform	5.76	83	2580263	9.846	ppbv	98
30) Cyclohexane	7.14	84	1367678	10.260	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1532723	10.158	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2599292	9.754	ppbv	100
34) 2-Butanone	5.26	43	1612976	9.273	ppbv	97
35) Carbon Tetrachloride	7.03	117	2756688	10.231	ppbv	97
36) Benzene	6.91	78	3340131	9.983	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1942517	10.253	ppbv	99
38) Trichloroethene	7.85	130	1236165	10.377	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1288304	9.611	ppbv	97
40) 1,4-Dioxane	7.85	88	315631m	9.751	ppbv	
41) Tetrahydrofuran	6.06	42	751674	9.878	ppbv	98
42) Bromodichloromethane	7.81	83	2743508	10.422	ppbv	99
43) Methyl Methacrylate	8.03	69	1214835	11.127	ppbv	96

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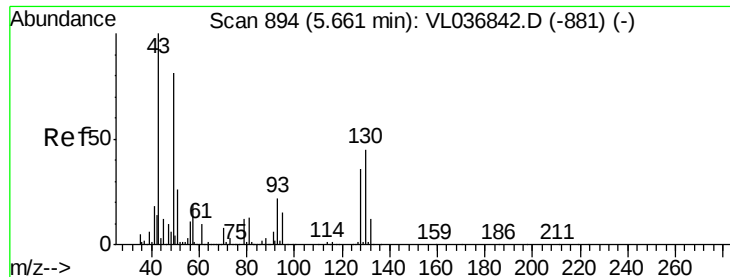
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5660817	9.872	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1333269	11.329	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1708047	11.319	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1388484	10.005	ppbv	99
48) Dibromochloromethane	10.32	129	2229591	10.842	ppbv	99
49) Bromoform	13.06	173	1843304	11.228	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2486196	10.456	ppbv	99
51) 2-Hexanone	10.15	43	1274256	10.745	ppbv #	100
52) Tetrachloroethene	11.24	164	1118399	9.816	ppbv	98
53) Toluene	9.82	91	3743611	10.693	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1940364	9.903	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1529893	9.981	ppbv	99
57) Chlorobenzene	12.16	112	2777240	9.752	ppbv	99
58) Ethyl Benzene	12.73	91	5000494	10.783	ppbv	100
59) m/p-Xylene	13.01	91	8612449m	20.779	ppbv	
60) o-Xylene	13.71	91	4035307	10.069	ppbv	100
61) Styrene	13.55	104	2290623	12.171	ppbv	100
62) Isopropylbenzene	14.69	105	5444006	9.984	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3011772	9.375	ppbv	99
64) n-propylbenzene	15.58	120	1447396	10.651	ppbv	100
65) tert-Butylbenzene	16.76	119	4826085	10.011	ppbv	99
66) Benzyl Chloride	17.00	91	494402	10.488	ppbv	99
67) sec-Butylbenzene	17.31	105	6761193	10.100	ppbv	100
69) p-Isopropyltoluene	17.67	119	5551829	10.345	ppbv	100
70) n-Butylbenzene	18.57	91	5704636	10.545	ppbv	100
71) 2-Chlorotoluene	15.47	91	4213923	10.435	ppbv	99
72) 4-Ethyltoluene	15.86	105	4780053	11.112	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4339553	10.402	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	4517001	10.193	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2602824	9.936	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2486365	9.699	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2509990	9.810	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1769854	8.141	ppbv	99
79) Naphthalene	22.22	128	2734728m	11.019	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	307136	11.222	ppbv	96
81) 1,2,4-Trichlorobenzene	21.95	180	1580732	9.847	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

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MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 49 Resp: 1560515

Ion Ratio Lower Upper

49 100

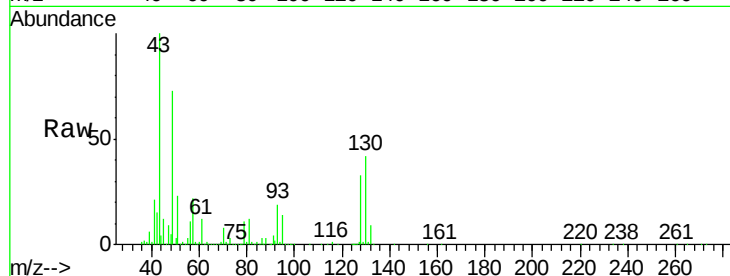
128 49.2 24.4 73.2

130 61.1 30.3 90.8

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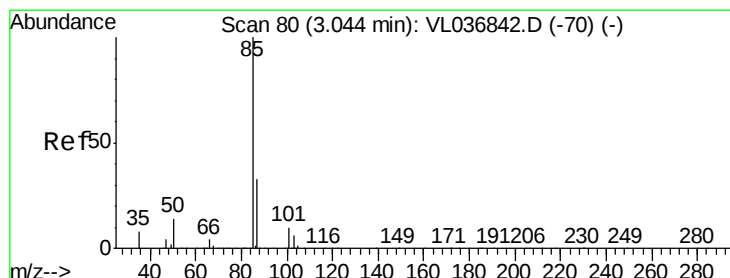
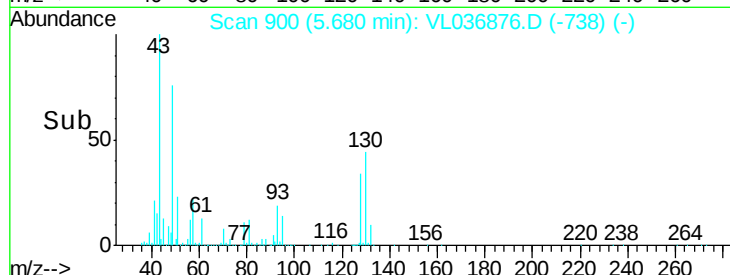
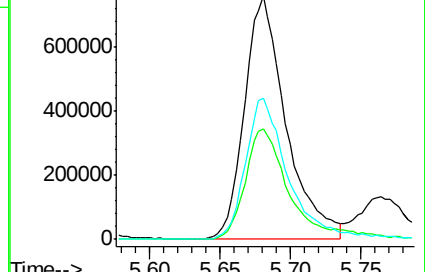
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.221 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036876.D

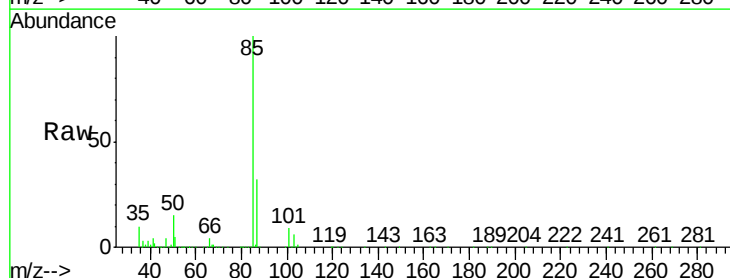
Acq: 28 Apr 2021 12:05

Tgt Ion: 85 Resp: 2266215

Ion Ratio Lower Upper

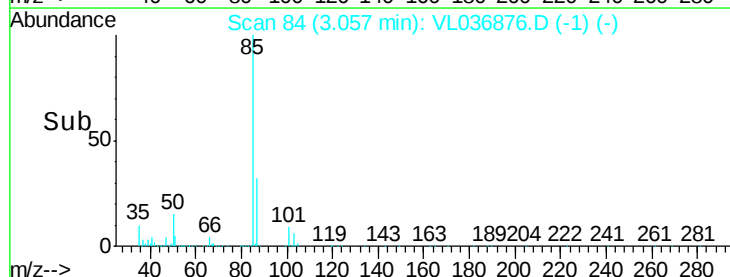
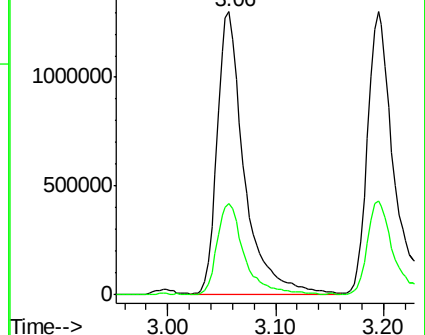
85 100

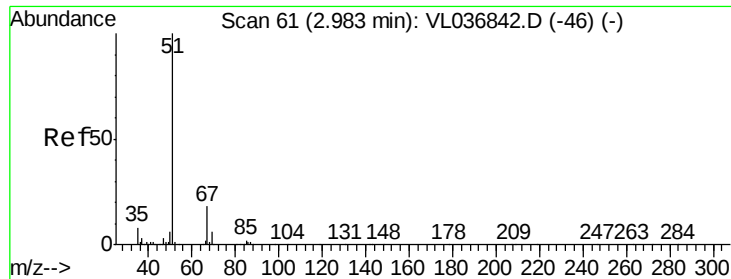
87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.456 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tot Ion: 51 Resp: 2687993

Ion Ratio Lower Upper

51 100

67 18.5 14.8 22.2

Instrument :

MSVOA_L

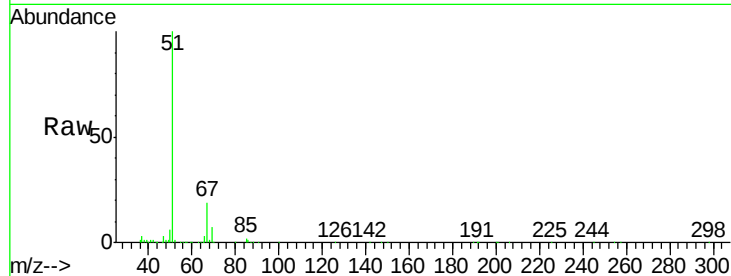
ClientSampleId :

VL0428ABS01

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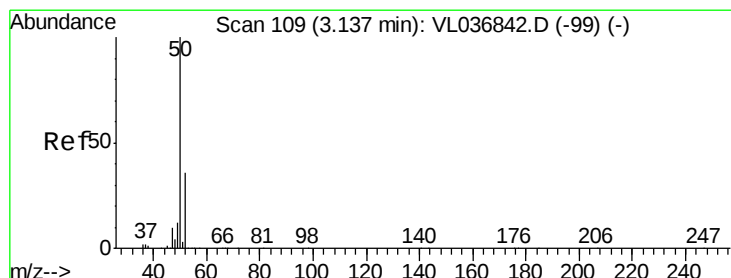
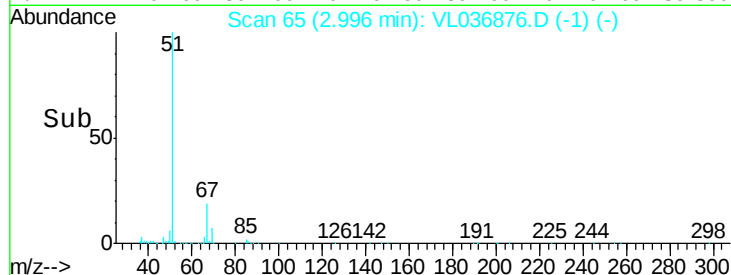
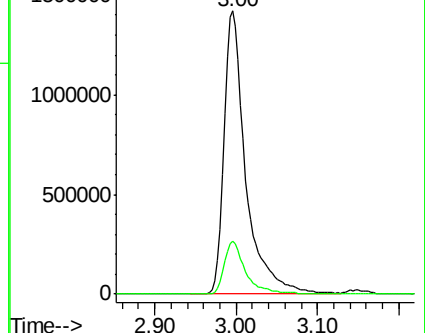
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.827 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036876.D

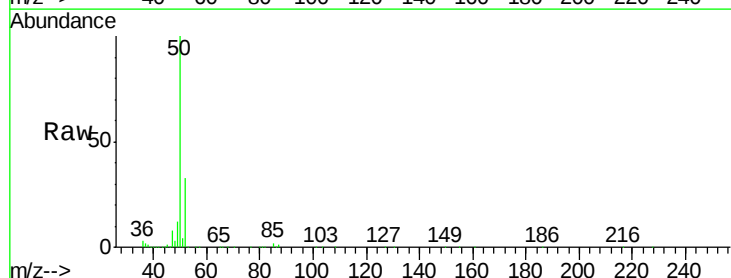
Acq: 28 Apr 2021 12:05

Tgt Ion: 50 Resp: 918112

Ion Ratio Lower Upper

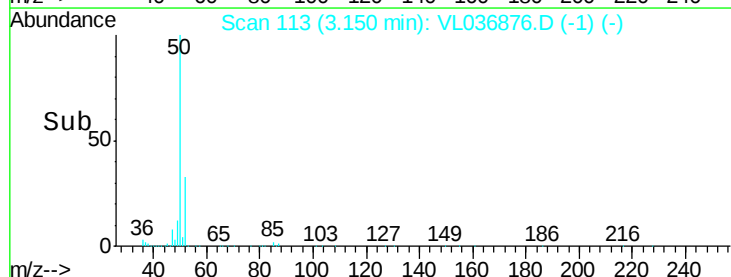
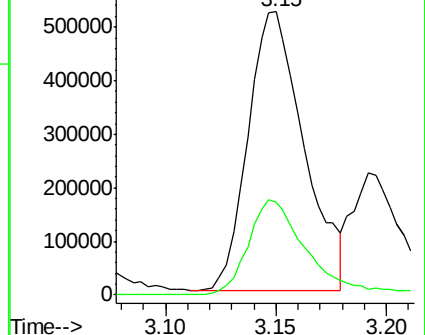
50 100

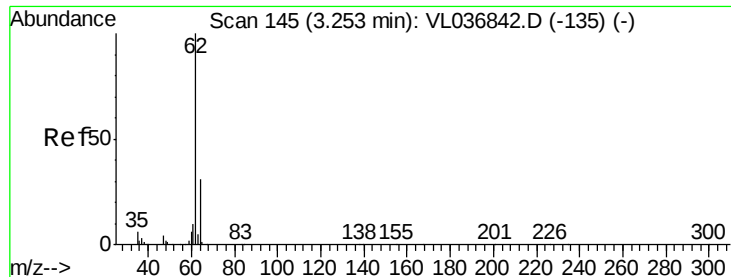
52 33.4 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.702 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 62 Resp: 914292

Ion Ratio Lower Upper

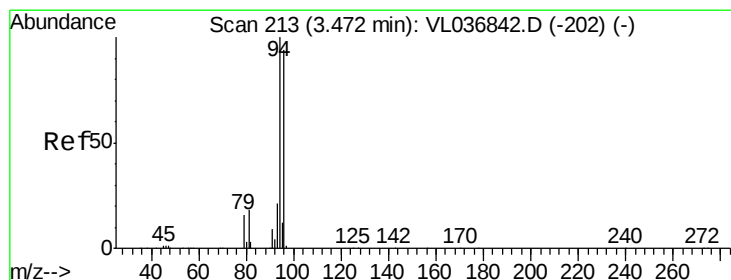
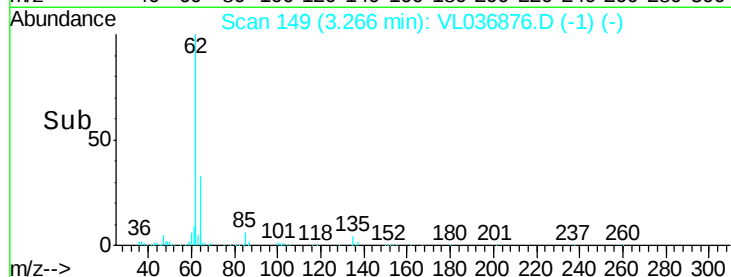
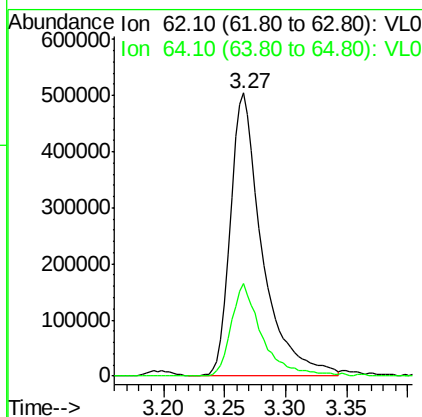
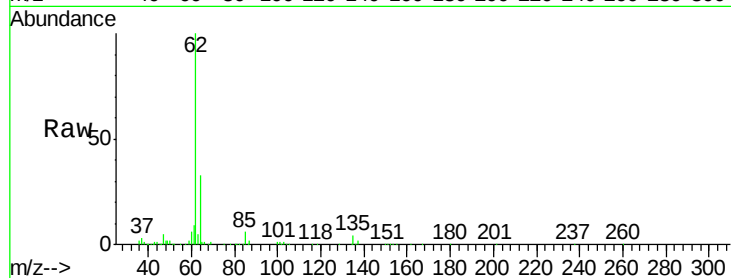
62 100

64 32.6 25.0 37.4

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#6

Bromomethane

Concen: 10.262 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036876.D

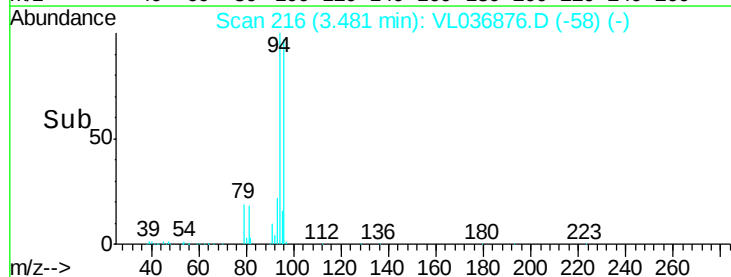
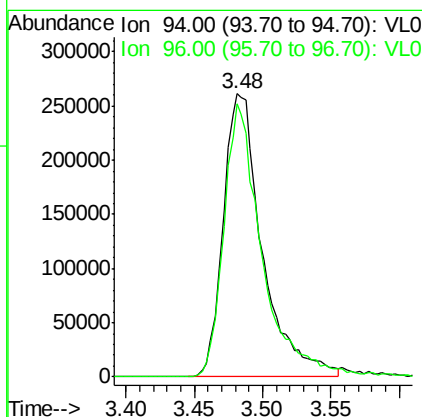
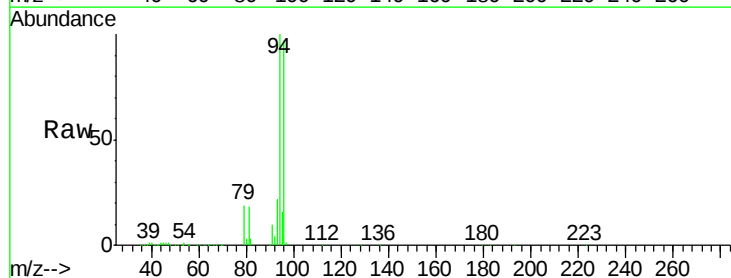
Acq: 28 Apr 2021 12:05

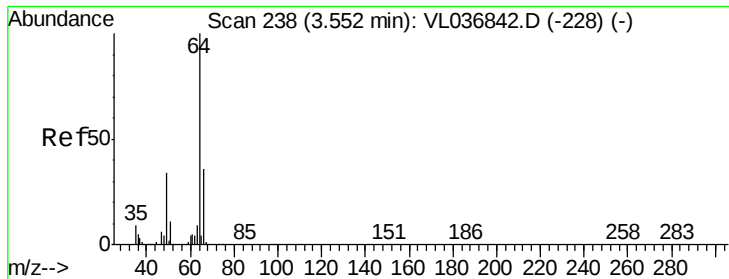
Tgt Ion: 94 Resp: 520057

Ion Ratio Lower Upper

94 100

96 96.4 75.4 113.0





#7

Chloroethane

Concen: 10.038 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 64 Resp: 310856

Ion Ratio Lower Upper

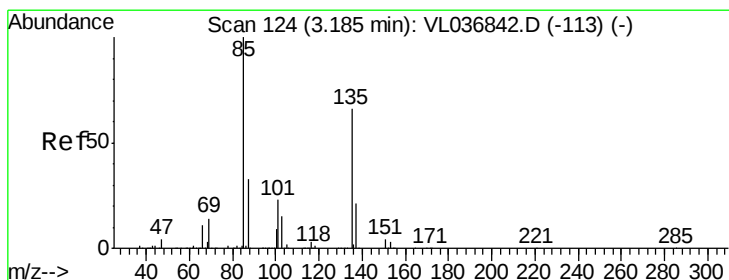
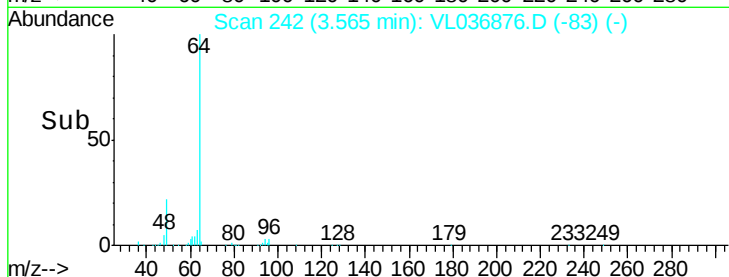
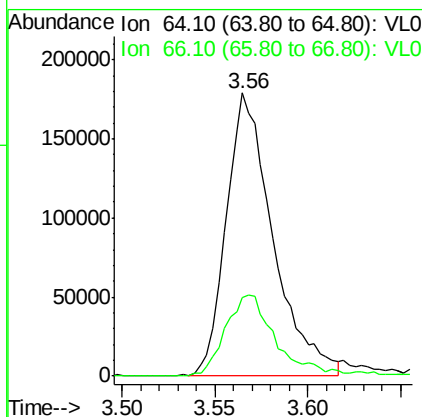
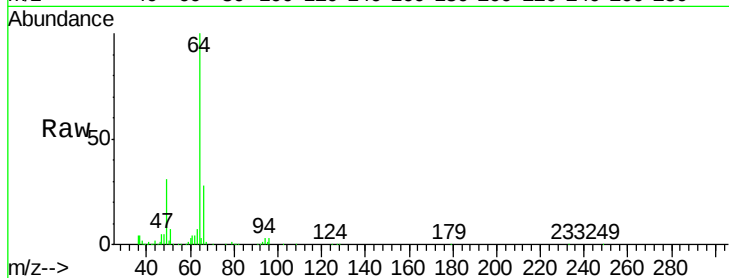
64 100

66 27.9 29.0 43.6#

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#8

Dichlorotetrafluoroethane

Concen: 9.821 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036876.D

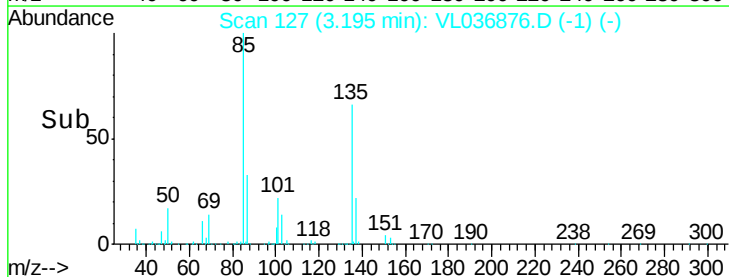
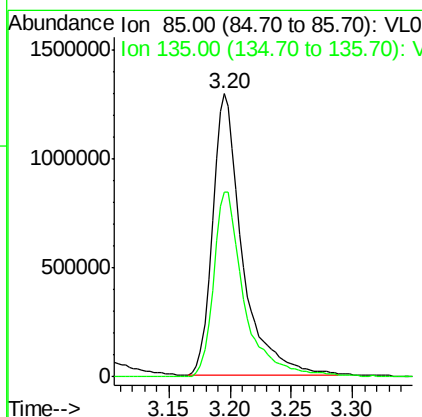
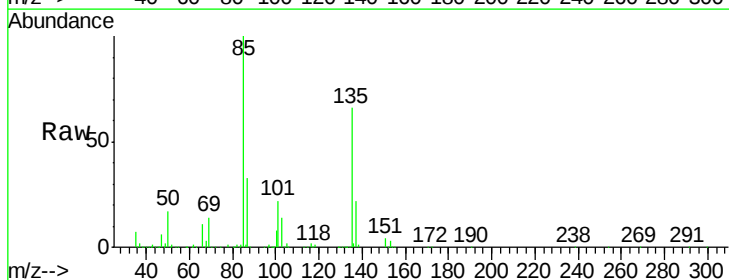
Acq: 28 Apr 2021 12:05

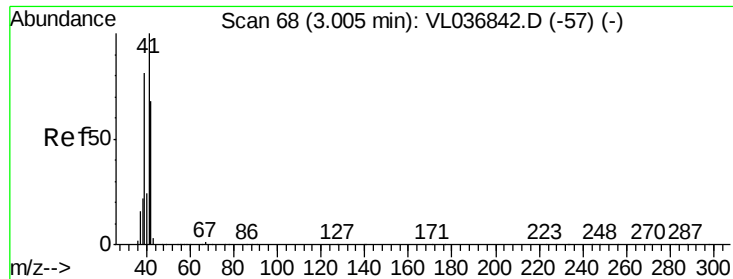
Tgt Ion: 85 Resp: 2201447

Ion Ratio Lower Upper

85 100

135 68.9 56.2 84.4





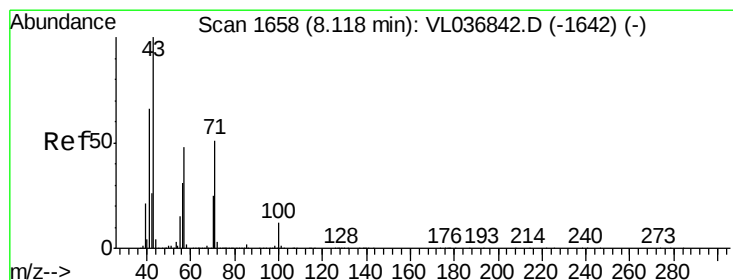
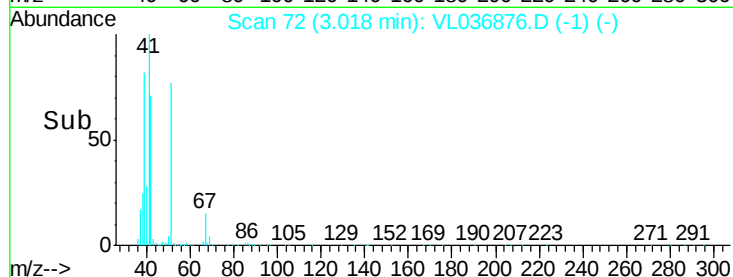
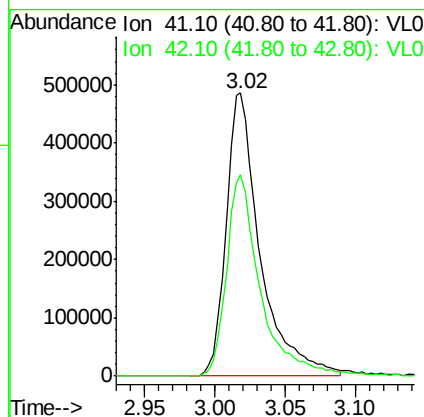
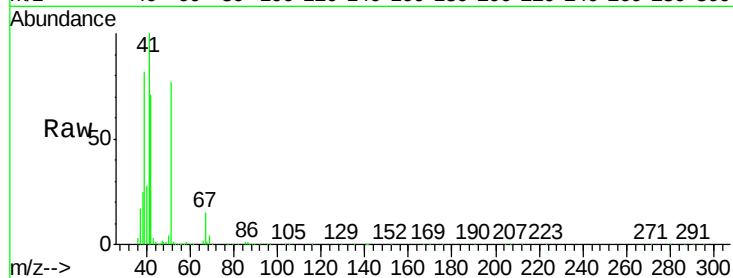
#9
 Propene
 Concen: 9.448 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion: 41 Resp: 818353
 Ion Ratio Lower Upper
 41 100
 42 71.5 56.0 84.0

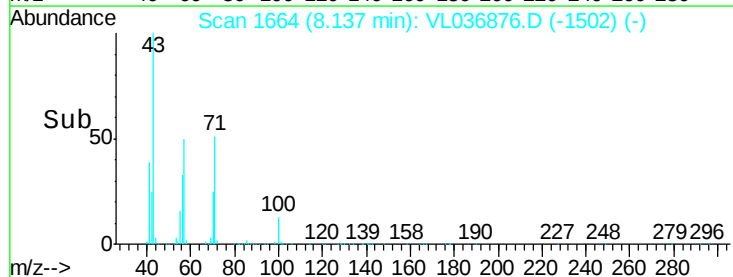
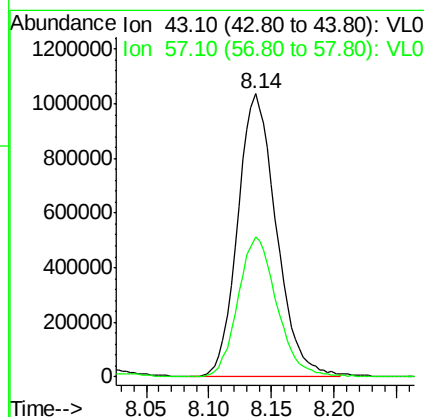
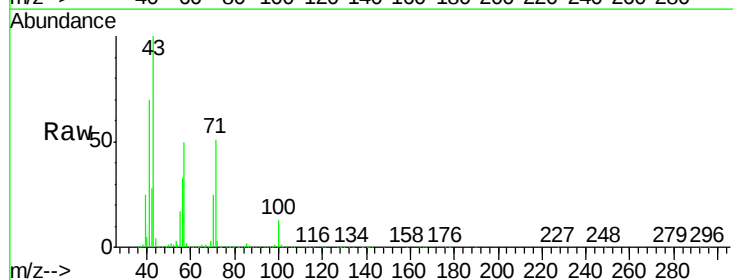
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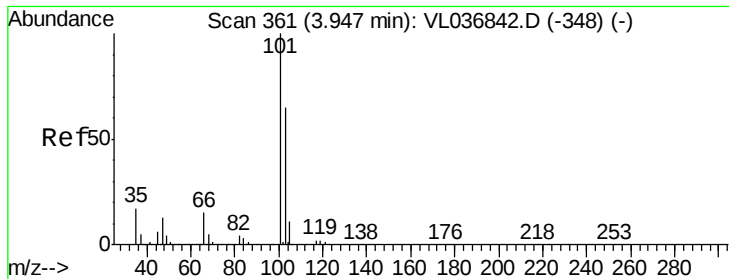
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#10
 Heptane
 Concen: 10.132 ppbv
 RT: 8.14 min Scan# 1664
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion: 43 Resp: 2207077
 Ion Ratio Lower Upper
 43 100
 57 50.4 38.8 58.2





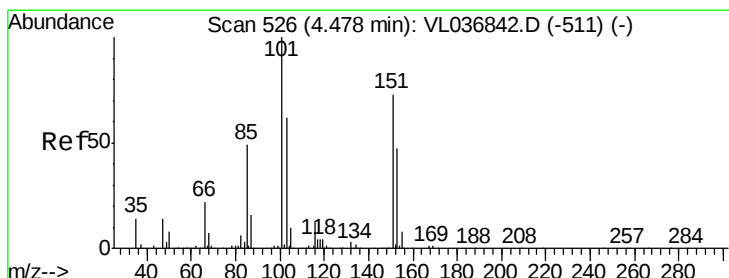
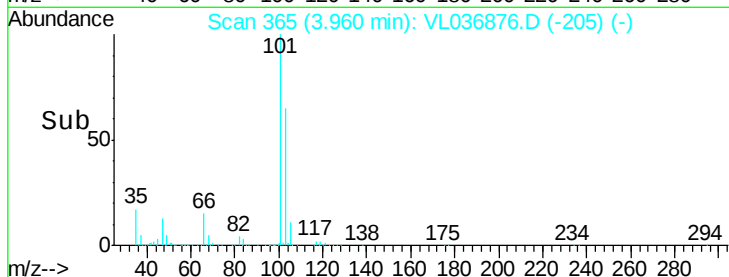
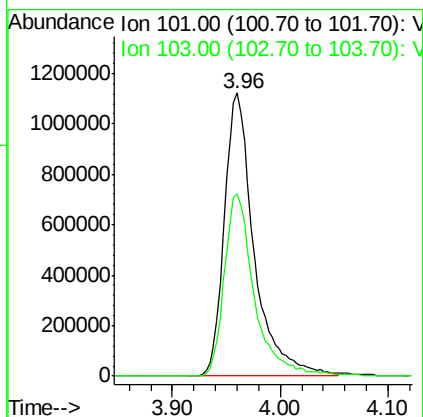
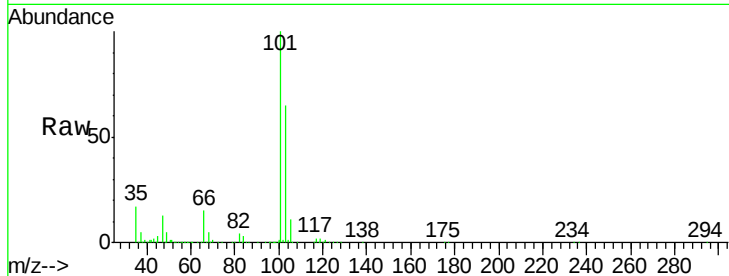
#11
 Trichlorofluoromethane
 Concen: 9.821 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion:101 Resp: 2154412
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

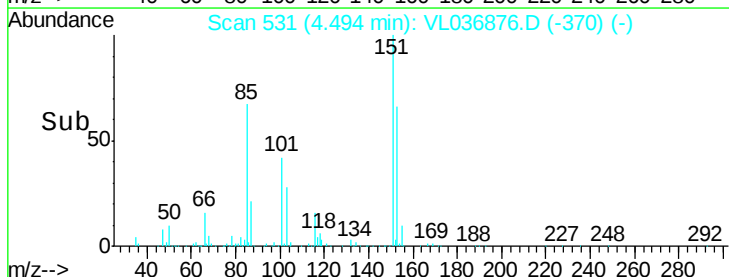
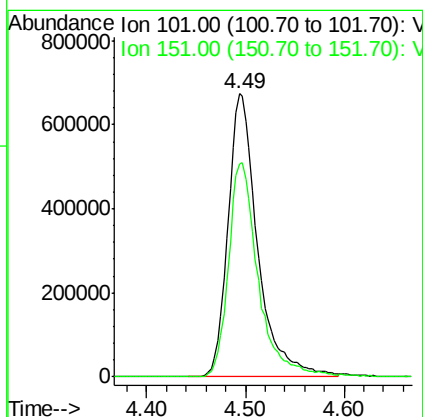
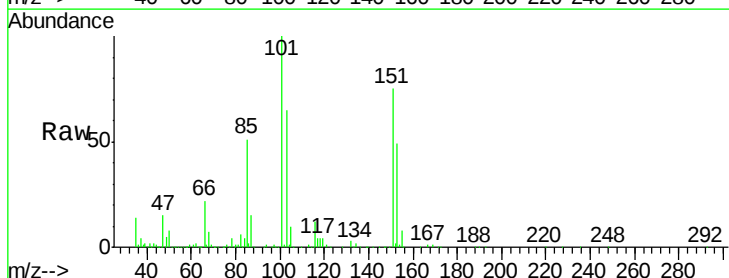
Manual Integrations
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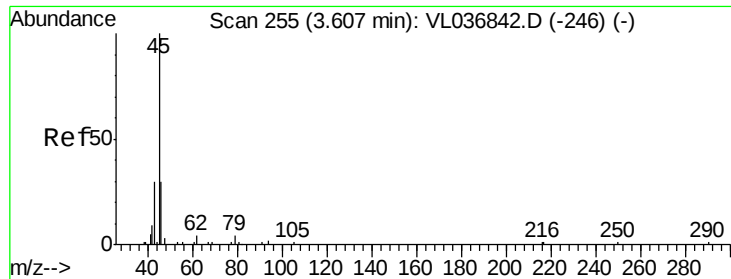
MMDadoda
 4/29/2021 5:53:50 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.660 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion:101 Resp: 1418327
 Ion Ratio Lower Upper
 101 100
 151 76.0 61.1 91.7





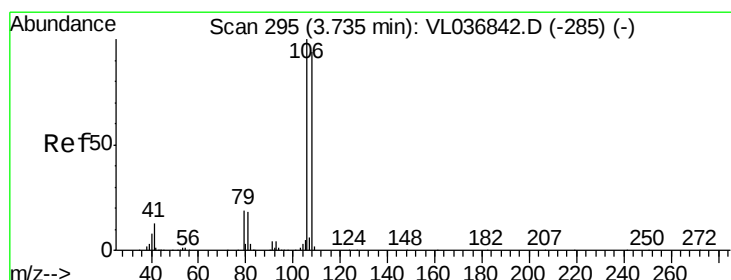
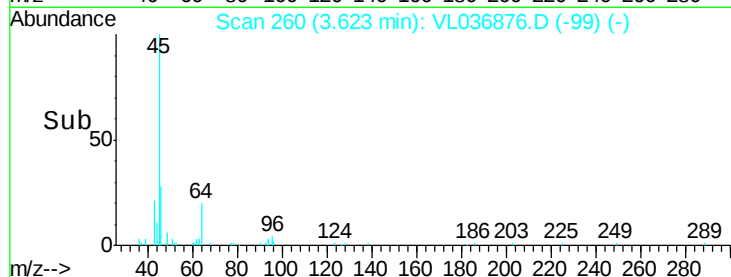
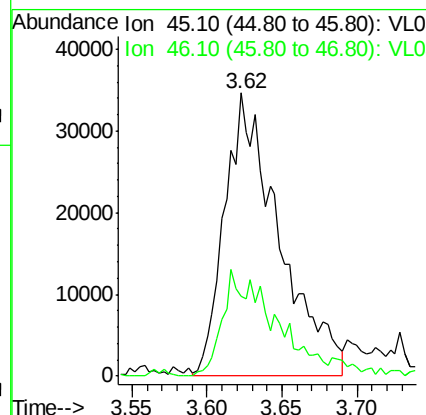
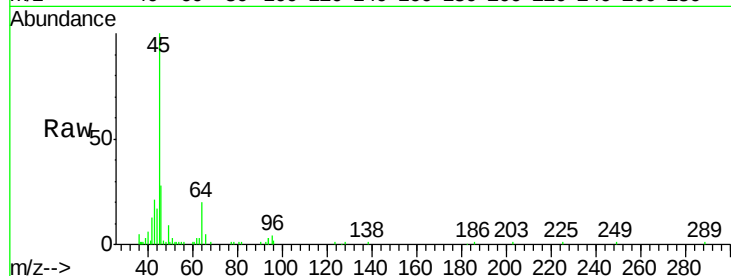
#13
Ethanol
Concen: 7.929 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion	45	Resp	87588
Ion Ratio	100	Lower	Upper
46	38.6	16.8	67.4

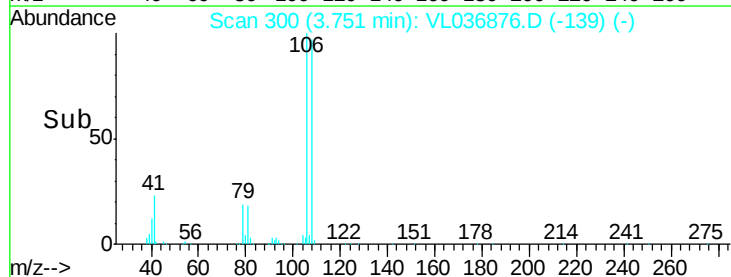
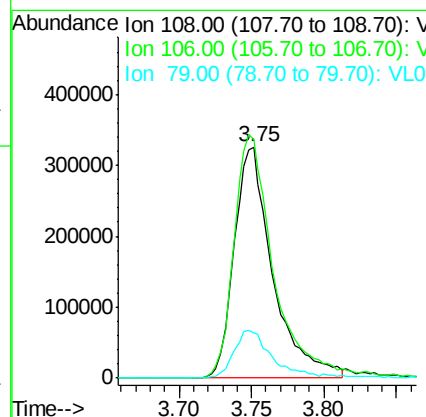
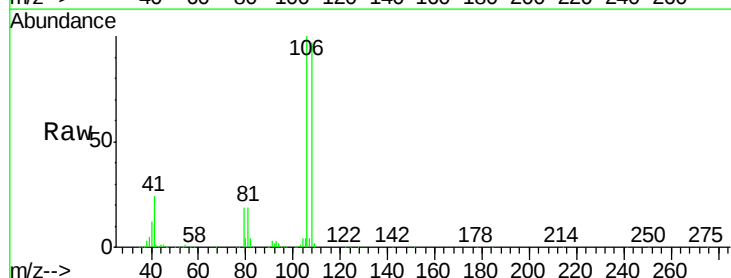
Manual Integrations
APPROVED

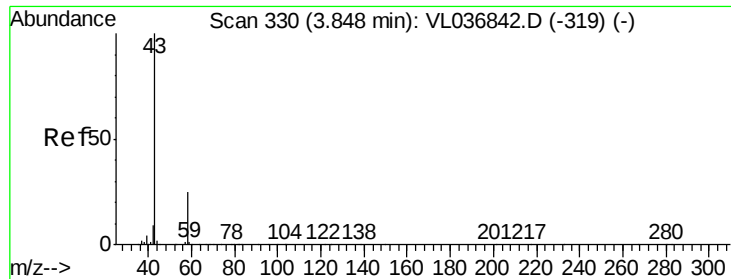
MMDadoda
4/29/2021 5:53:50 PM



#14
Bromoethene
Concen: 10.023 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	108	Resp	601253
Ion Ratio	100	Lower	Upper
106	110.6	88.5	132.7
79	21.9	17.9	26.9





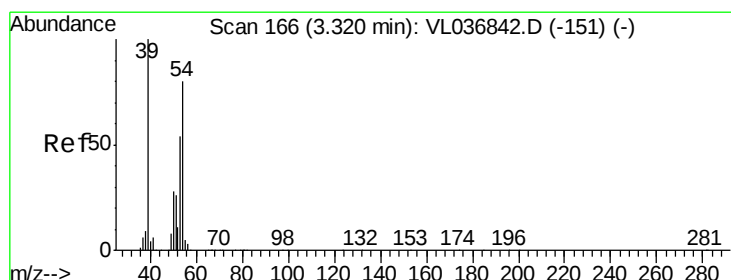
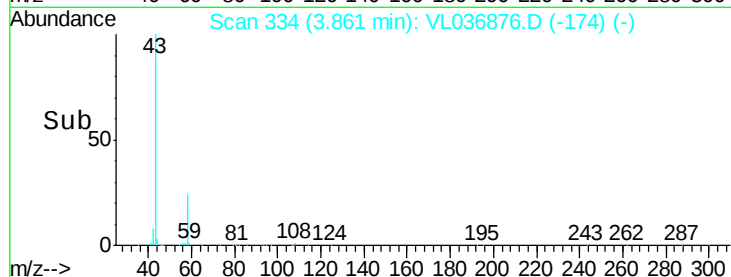
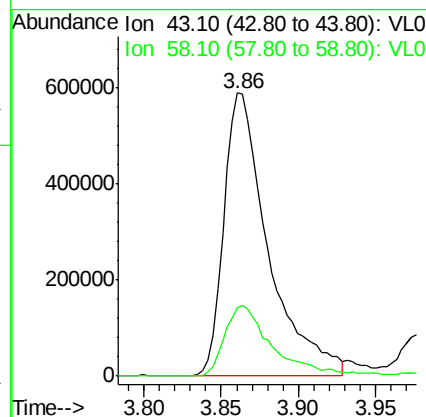
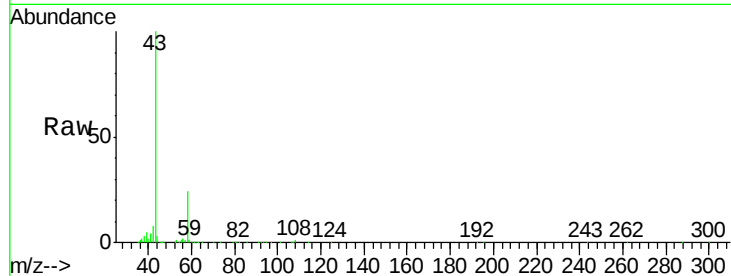
#15
Acetone
Concen: 7.961 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion: 43 Resp: 1170922
Ion Ratio Lower Upper
43 100
58 27.3 21.7 32.5

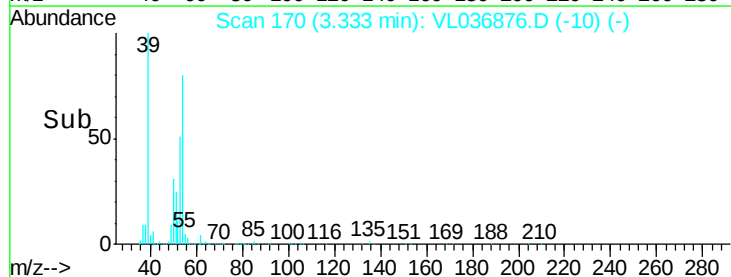
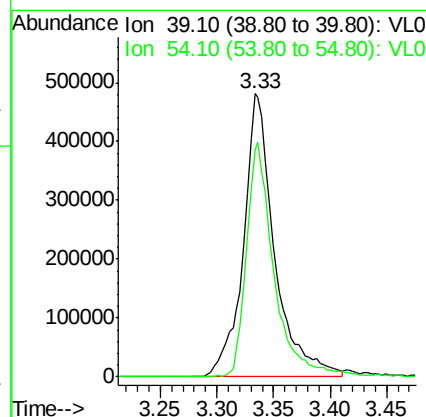
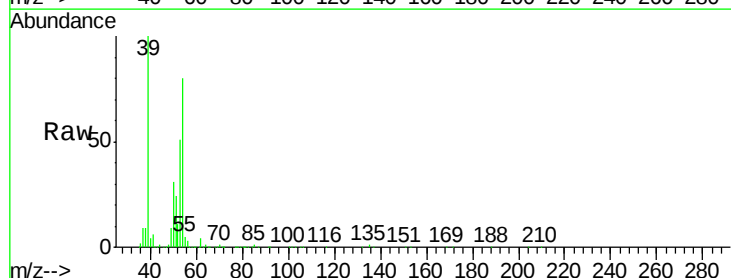
Manual Integrations
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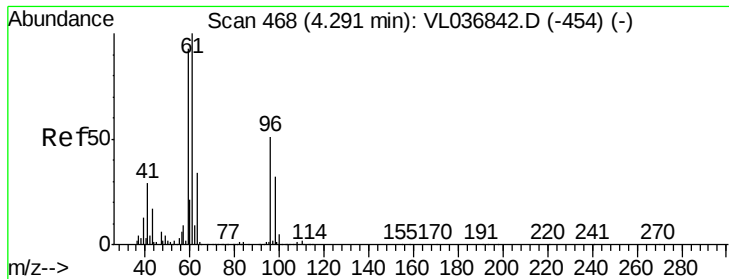
MMDadoda
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#16
1,3-Butadiene
Concen: 9.830 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion: 39 Resp: 924557
Ion Ratio Lower Upper
39 100
54 73.9 59.6 89.4





#17

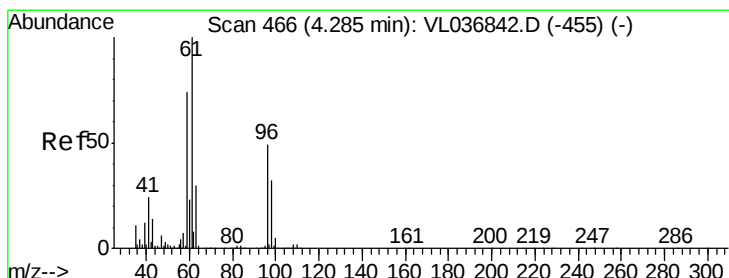
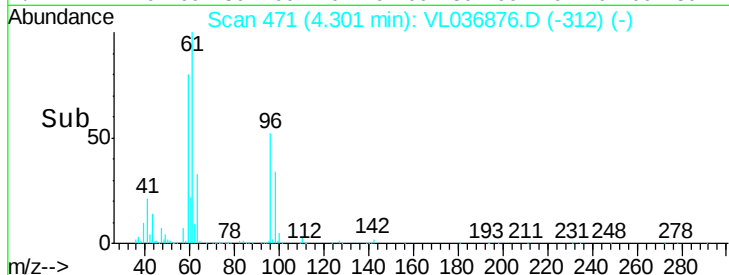
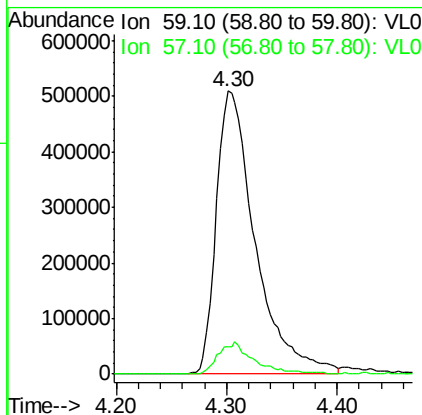
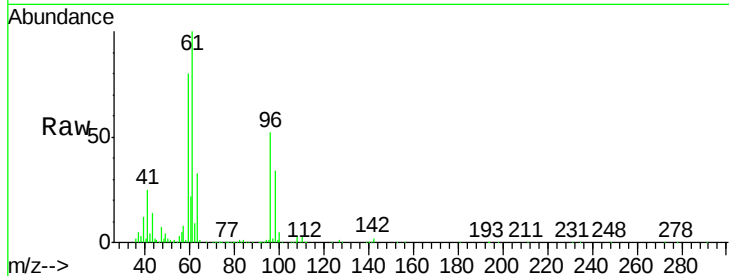
tert-Butyl alcohol
Concen: 10.441 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
APPROVED

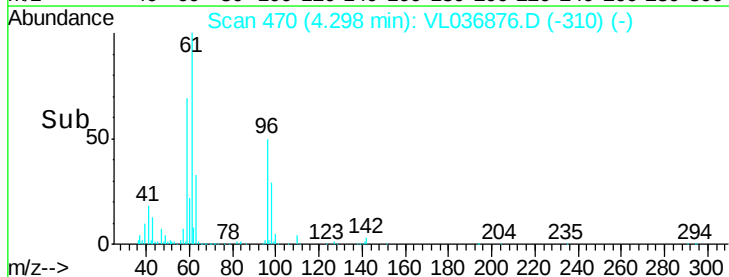
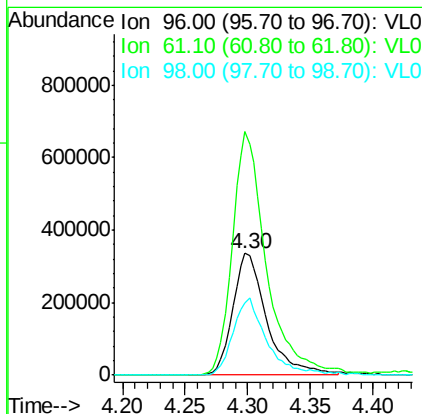
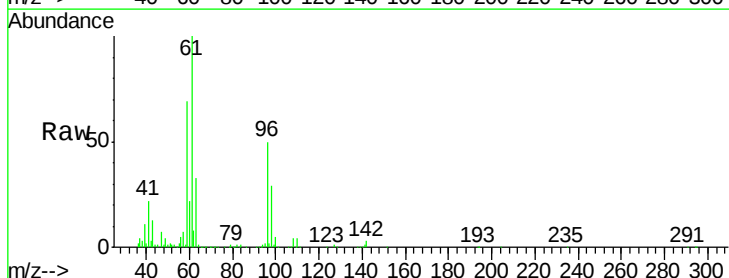
MMDadoda
4/29/2021 5:53:50 PM

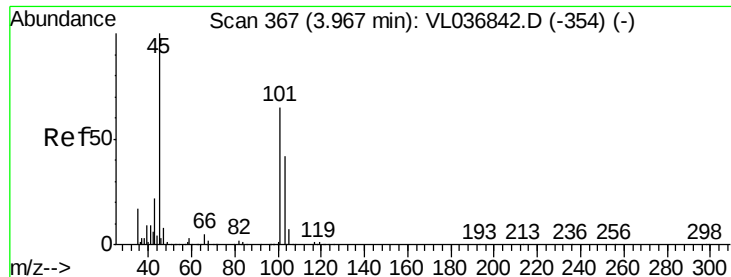


#18

1,1-Dichloroethene
Concen: 9.881 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.0	162.2	243.2
98	58.9	51.8	77.6





#19

Isopropyl Alcohol

Concen: 9.254 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tot Ion: 45 Resp: 674418

Ion Ratio Lower Upper

45 100

58 3.1 2.8 4.2

Instrument :

MSVOA_L

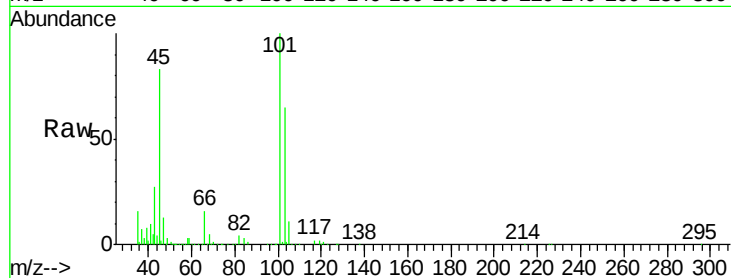
ClientSampleId :

VL0428ABS01

Manual Integrations
APPROVED

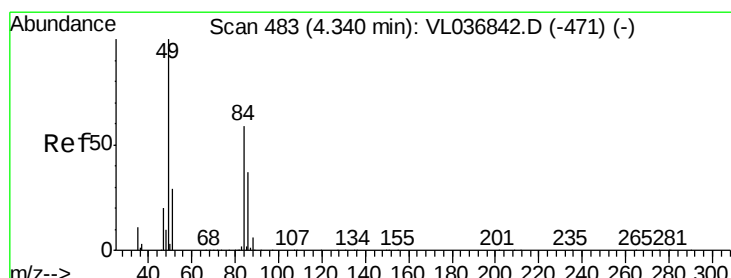
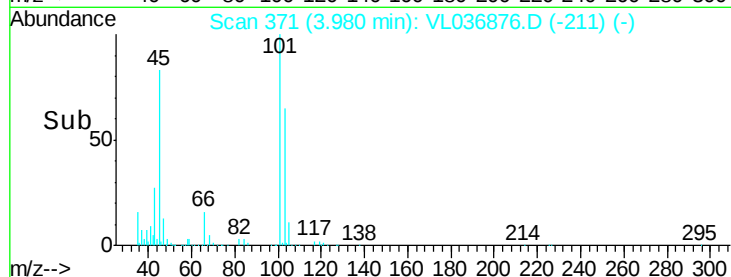
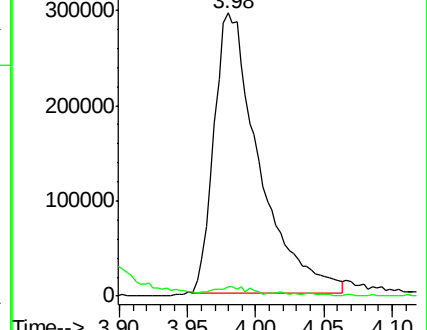
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.828 ppbv m

RT: 4.36 min Scan# 489

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tgt Ion: 84 Resp: 550571

Ion Ratio Lower Upper

84 100

49 155.1 135.4 203.0

51 45.2 39.3 58.9

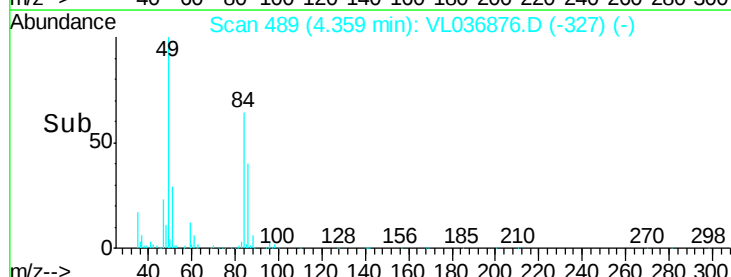
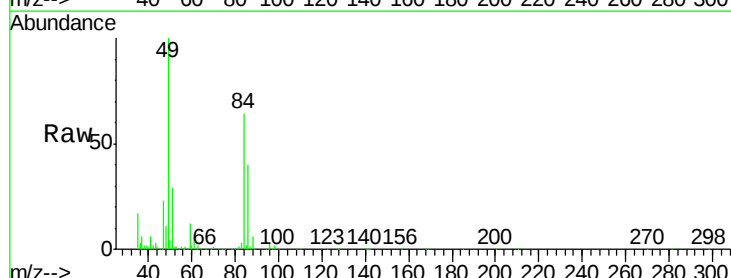
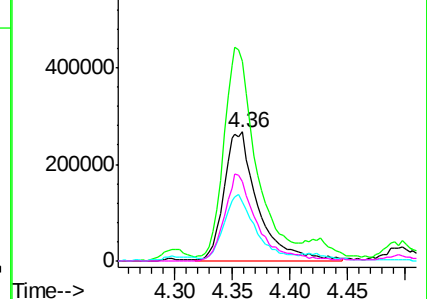
86 61.8 50.2 75.2

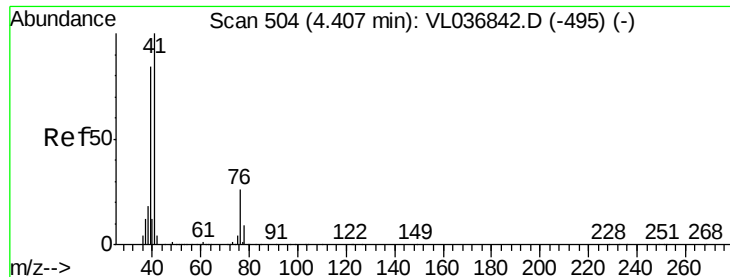
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 9.607 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 41 Resp: 1050023

Ion Ratio Lower Upper

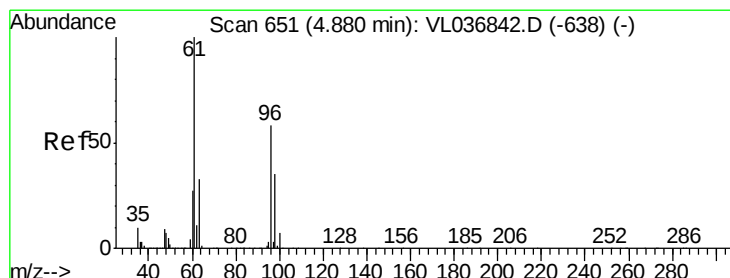
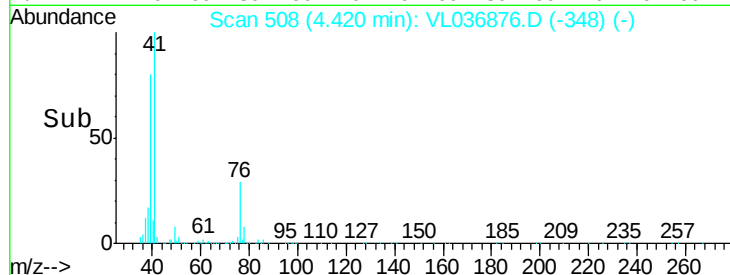
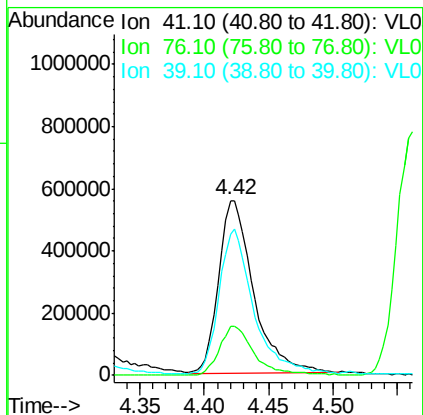
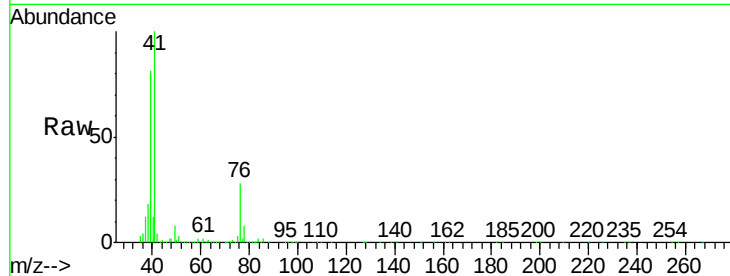
41 100

76 28.6 22.4 33.6

39 84.1 68.4 102.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.492 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

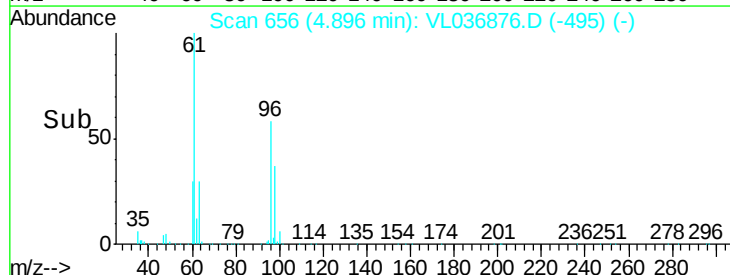
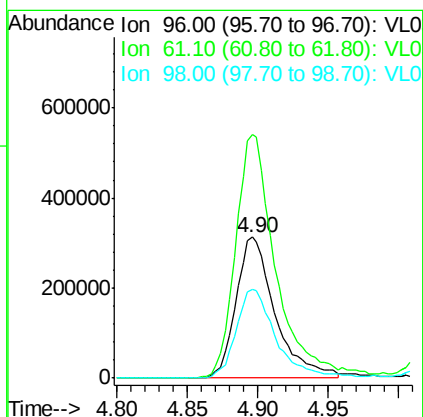
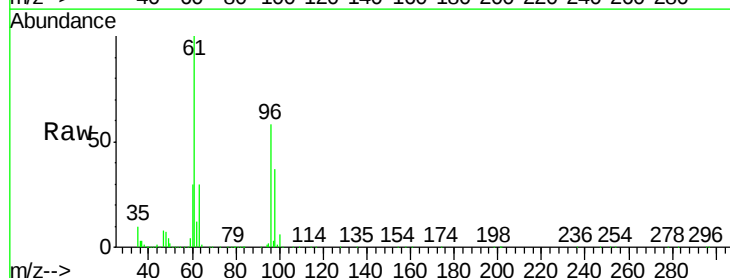
Tgt Ion: 96 Resp: 607804

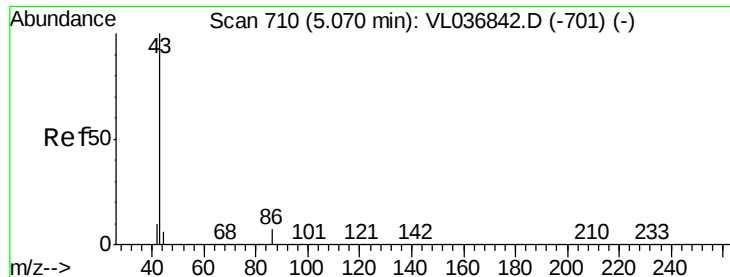
Ion Ratio Lower Upper

96 100

61 172.7 138.6 207.8

98 63.1 48.1 72.1





#23

Vinyl Acetate

Concen: 11.749 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tot Ion: 43 Resp: 2350618

Ion Ratio Lower Upper

43 100

86 7.0 5.3 7.9

42 10.3 8.7 13.1

44 5.8 3.9 5.9

Instrument :

MSVOA_L

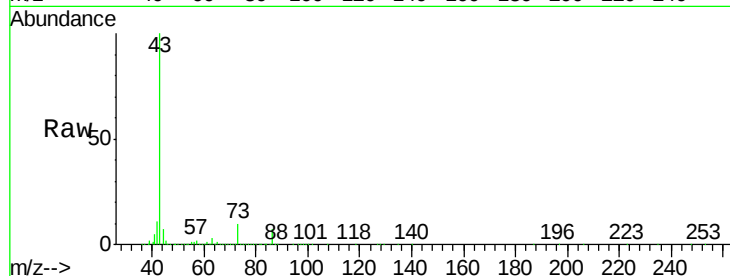
ClientSampleId :

VL0428ABS01

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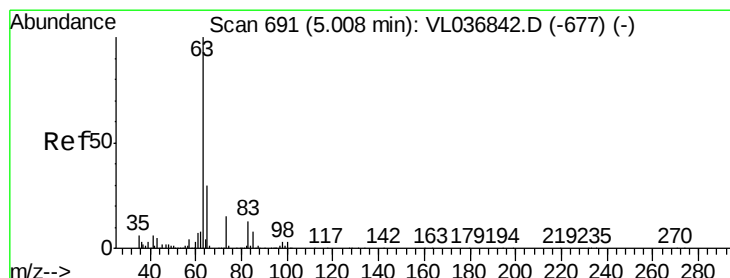
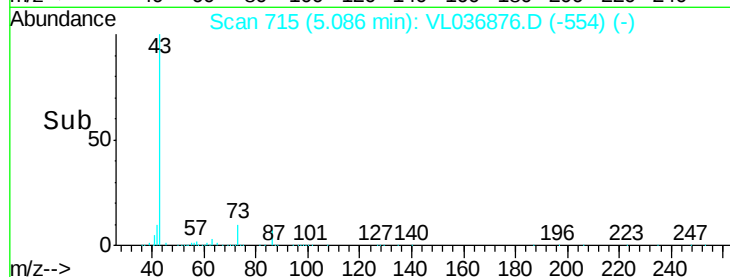
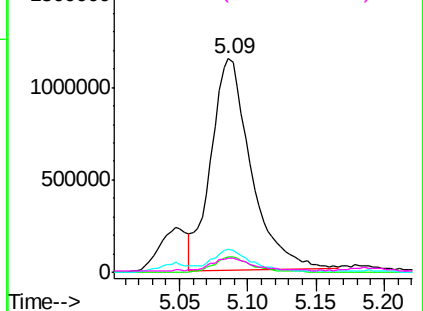


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.092 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

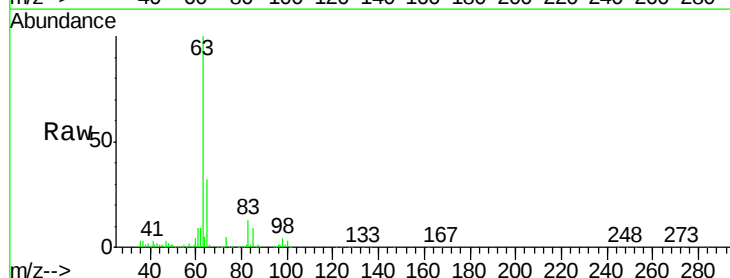
Tgt Ion: 63 Resp: 1575408

Ion Ratio Lower Upper

63 100

98 4.2 1.7 5.1

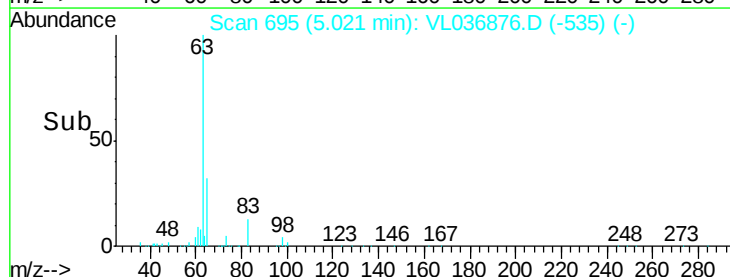
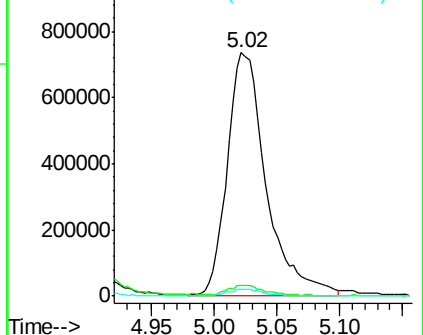
100 2.6 1.3 3.8

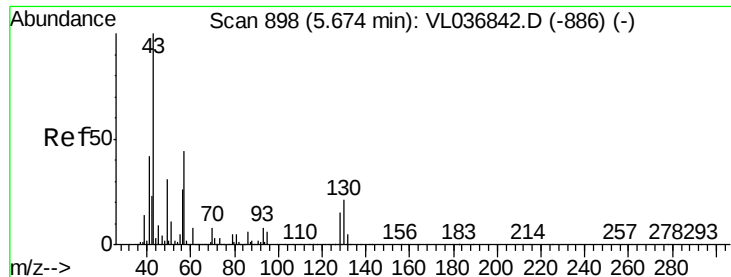


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





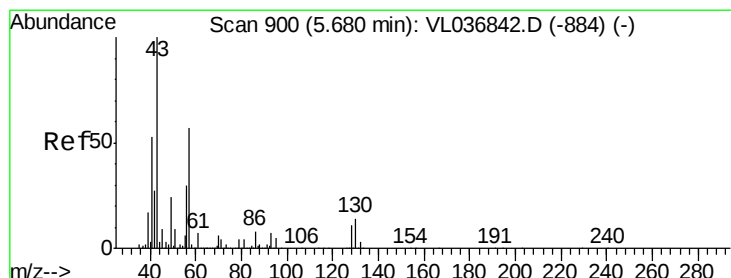
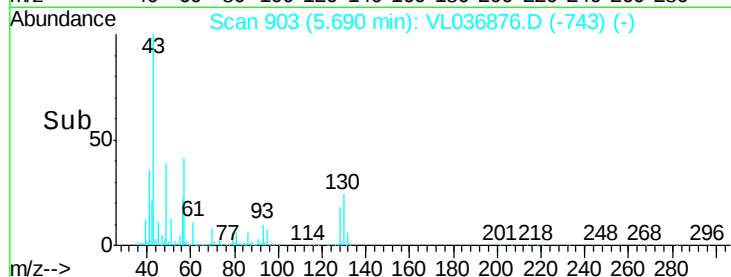
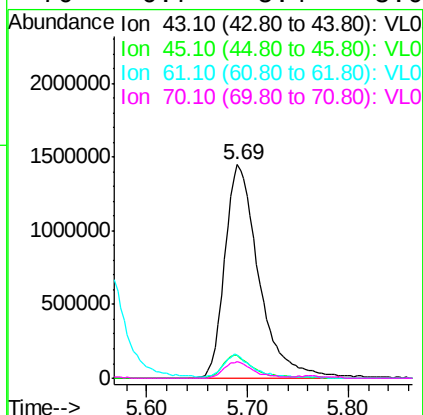
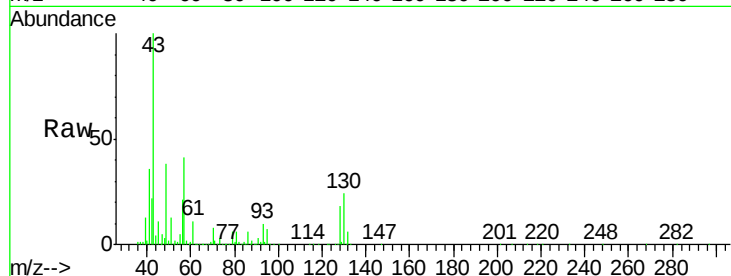
#25
Ethyl Acetate
Concen: 9.445 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion	43	Resp	3393321
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	10.2	7.4	11.0
70	6.7	5.4	8.0

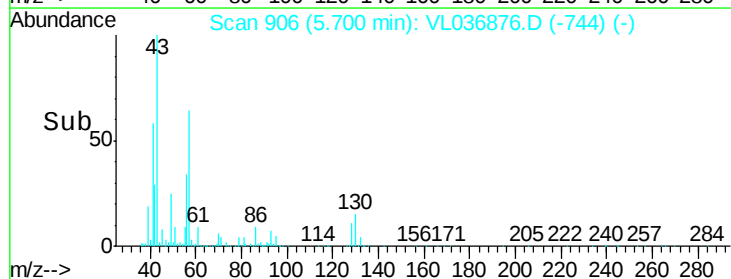
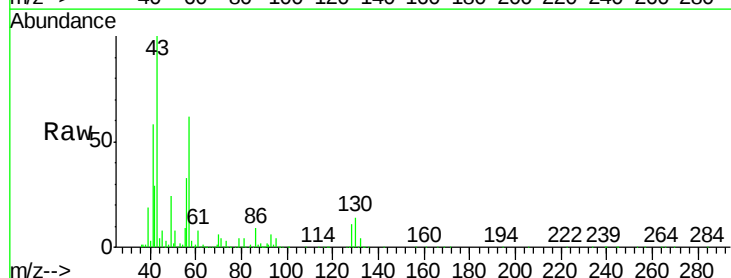
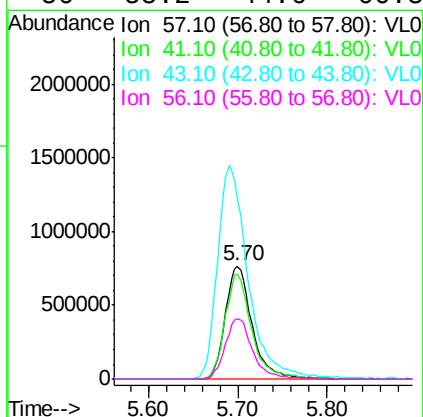
Manual Integrations
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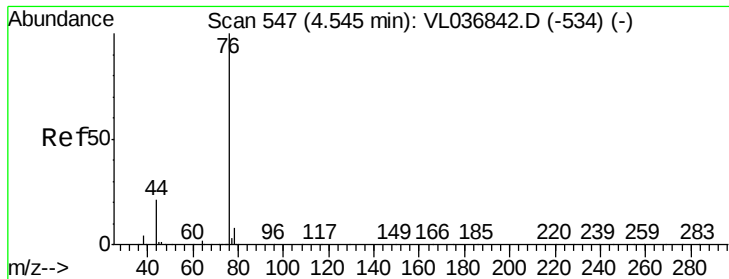
MMDadoda
4/29/2021 5:53:50 PM



#26
Hexane
Concen: 9.447 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	57	Resp	1588008
Ion	Ratio	Lower	Upper
57	100		
41	93.3	77.7	116.5
43	215.9	180.5	270.7
56	55.2	44.6	66.8





#27

Carbon Disulfide

Concen: 10.429 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

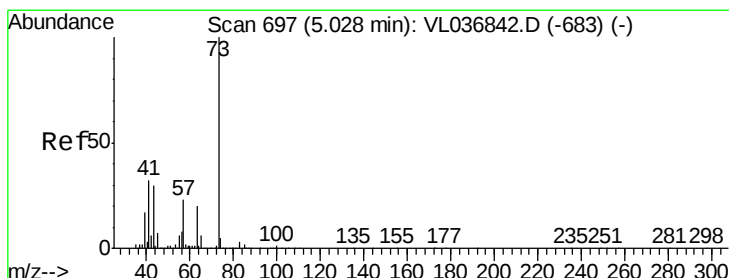
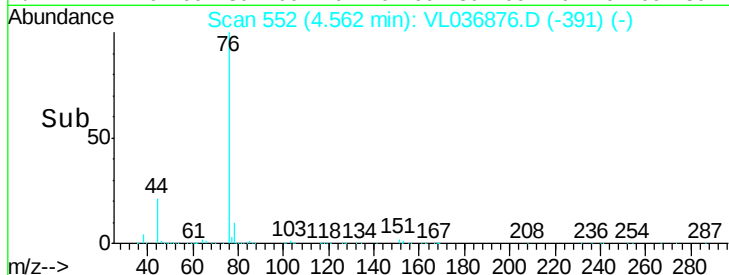
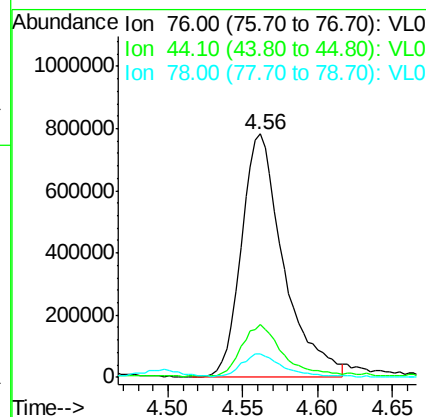
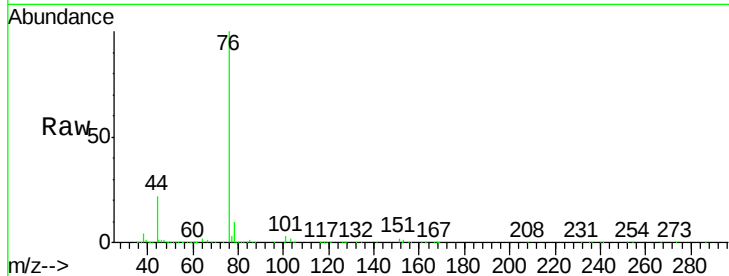
ClientSampleId :

VL0428ABS01

Tot Ion:	76	Resp:	1522641
Ion	Ratio	Lower	Upper
76	100		
44	21.6	16.9	25.3
78	9.9	7.9	11.9

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#28

Methyl tert-Butyl Ether

Concen: 11.912 ppbv

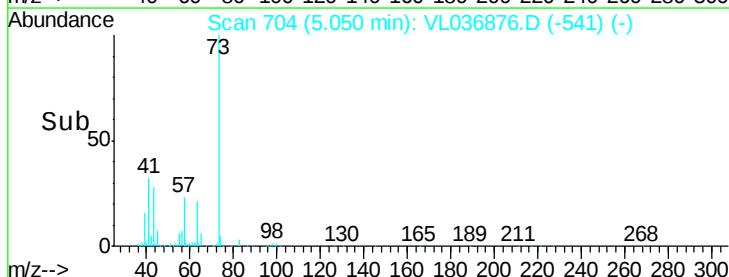
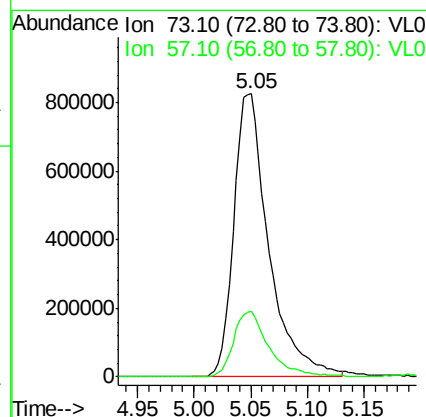
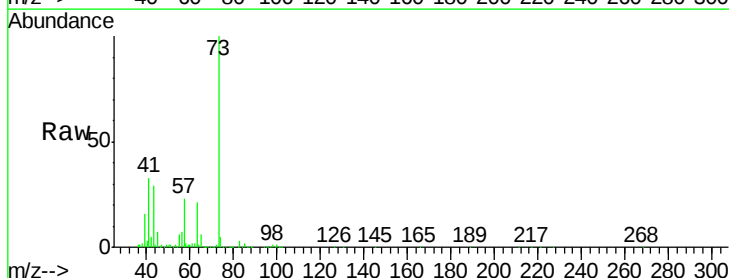
RT: 5.05 min Scan# 704

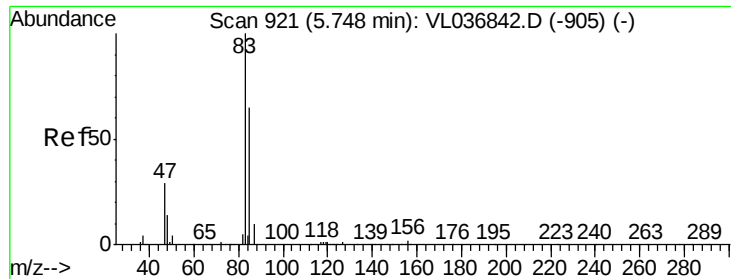
Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tgt Ion:	73	Resp:	1774842
Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.0	28.6





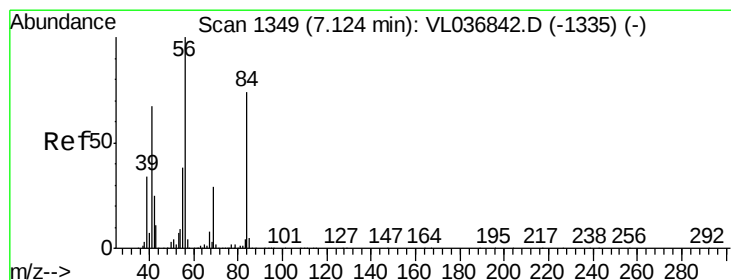
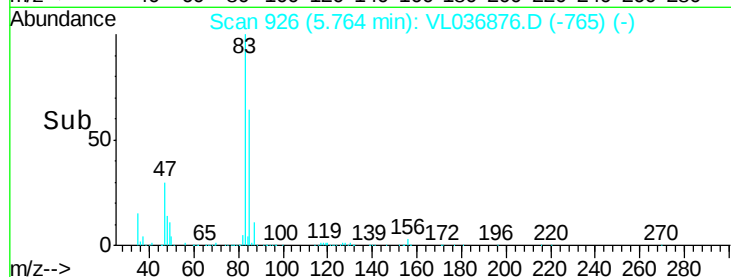
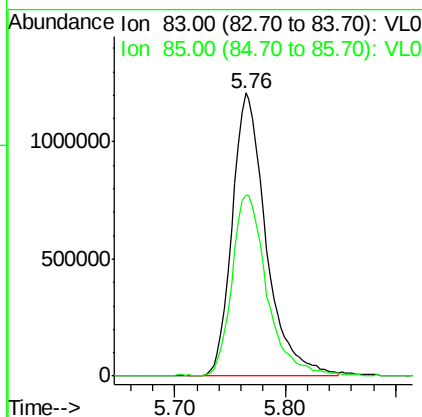
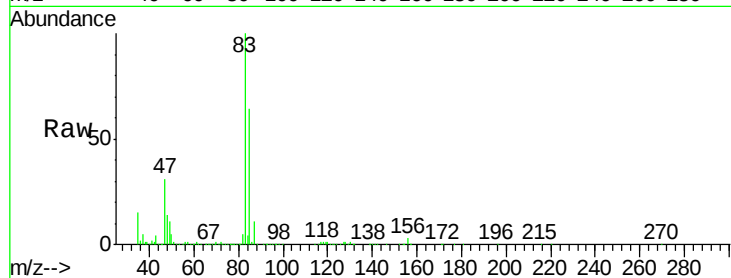
#29
Chloroform
Concen: 9.846 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion: 83 Resp: 2580263
Ion Ratio Lower Upper
83 100
85 63.6 52.2 78.4

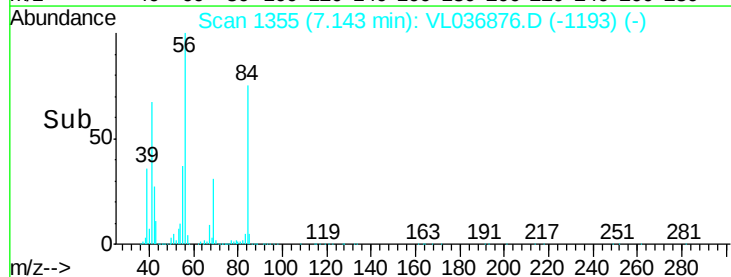
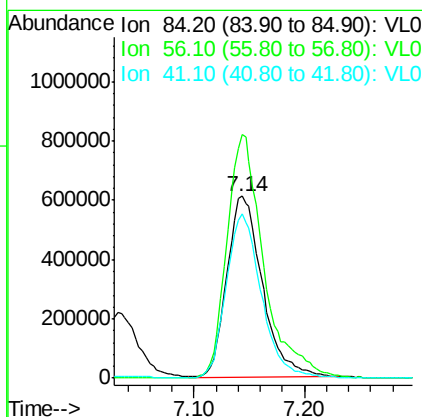
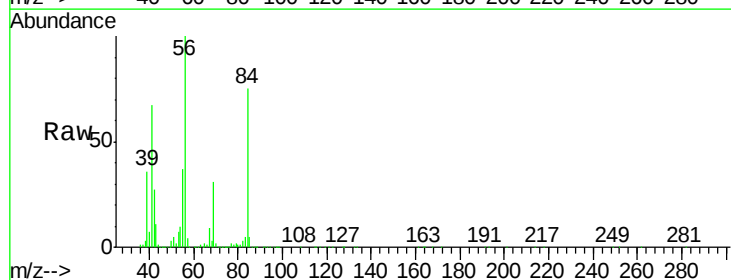
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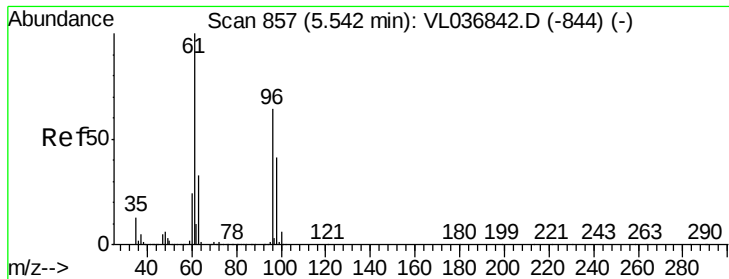
MMDadoda
4/29/2021 5:53:50 PM



#30
Cyclohexane
Concen: 10.260 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion: 84 Resp: 1367678
Ion Ratio Lower Upper
84 100
56 140.2 115.8 173.6
41 89.9 74.6 111.8





#31

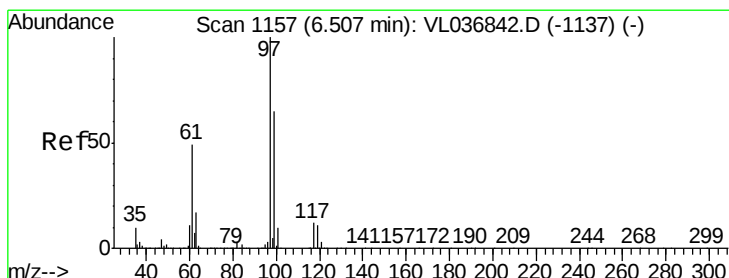
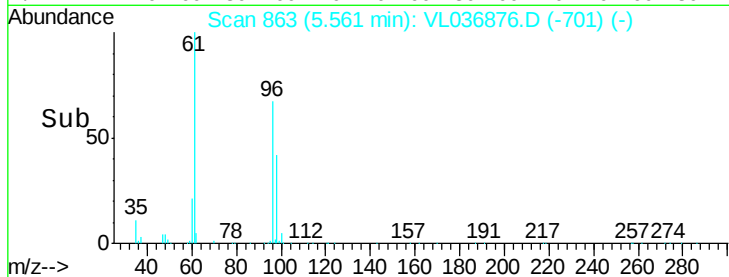
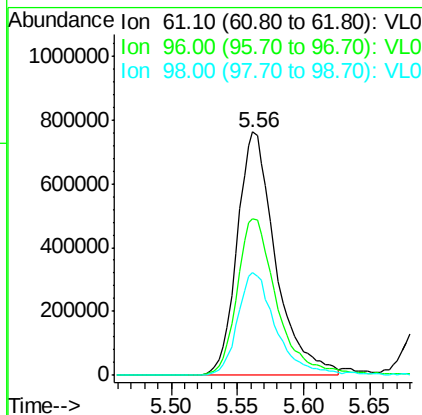
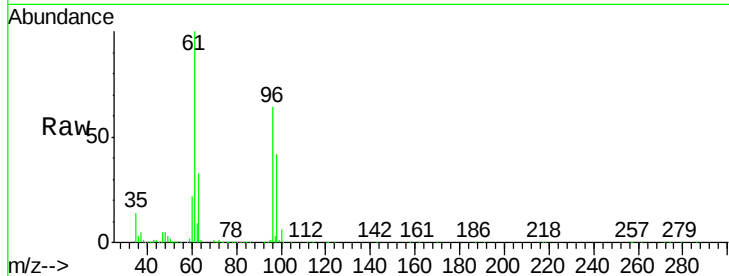
cis-1,2-Dichloroethene
 Concen: 10.158 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.2	51.0	76.6
98	42.0	32.7	49.1

Manual Integrations
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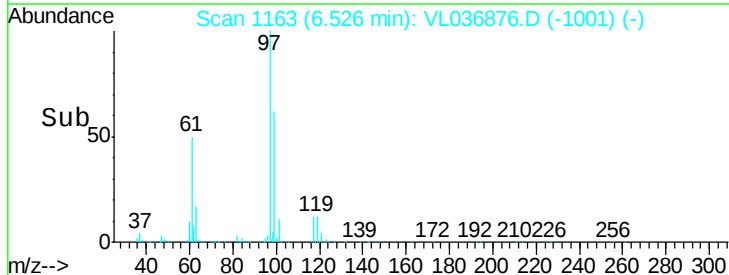
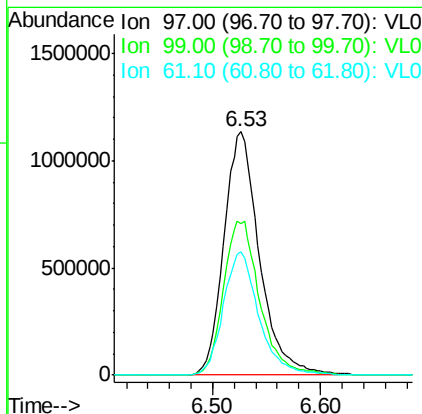
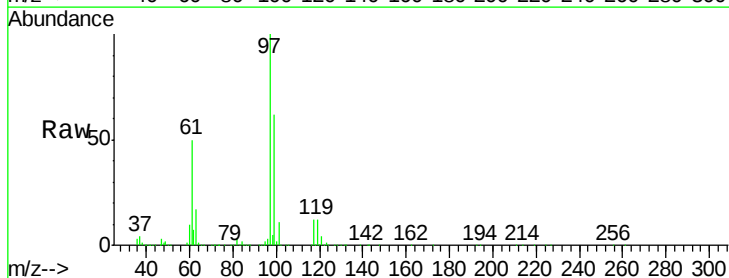
MMDadoda
 4/29/2021 5:53:50 PM

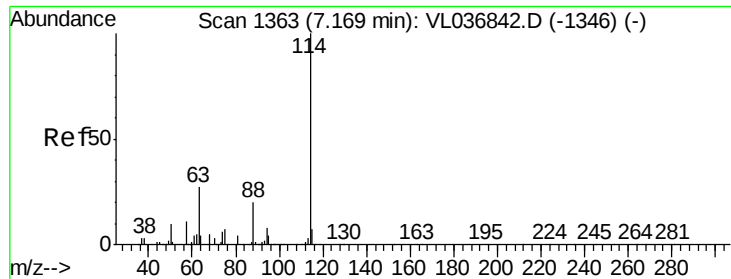


#32

1,1,1-Trichloroethane
 Concen: 9.754 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.6
61	50.8	40.8	61.2





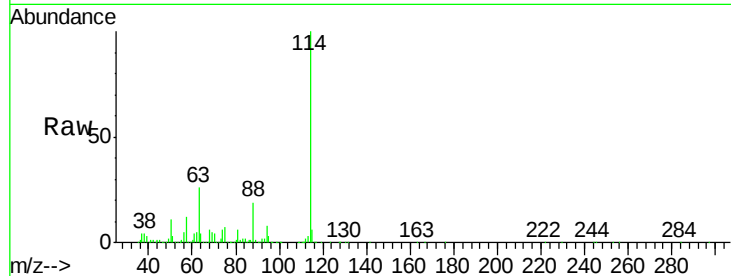
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

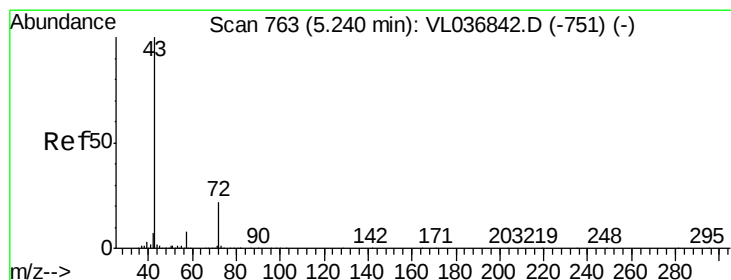
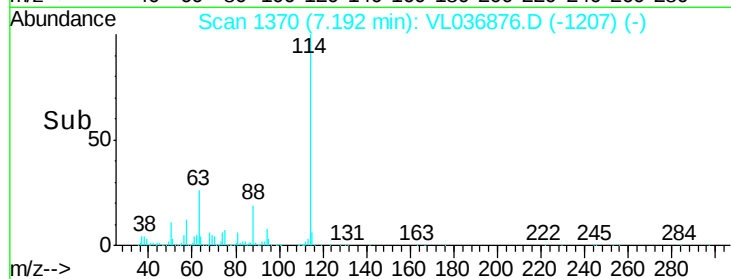
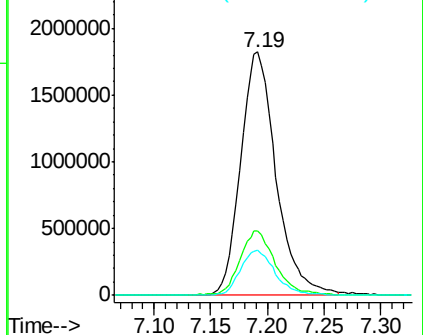
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.9	32.9
88	18.5	15.1	22.7

Manual Integrations
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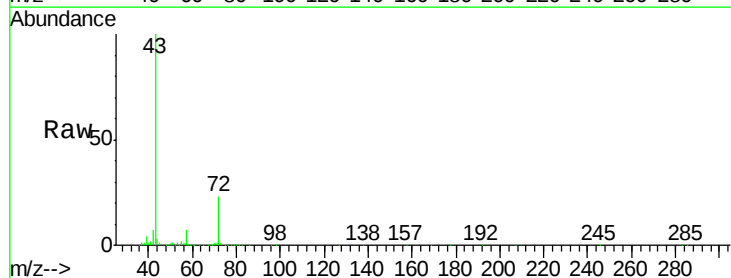


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

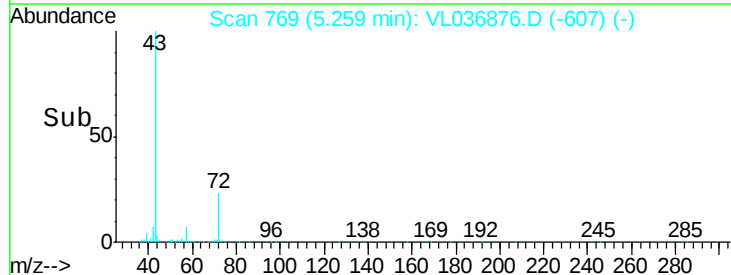
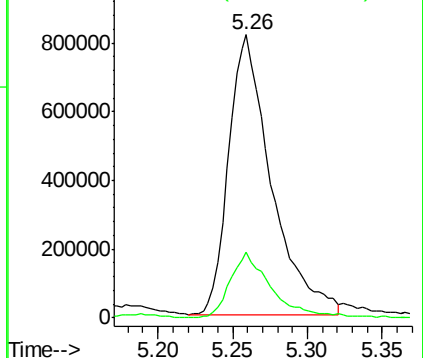


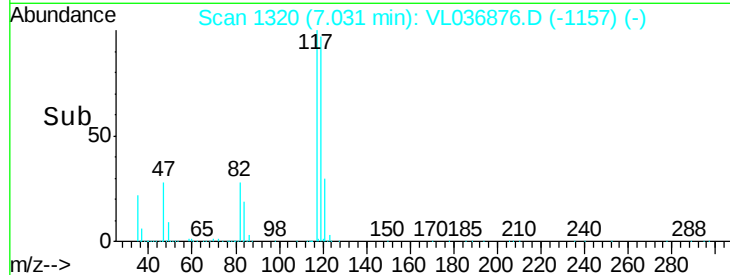
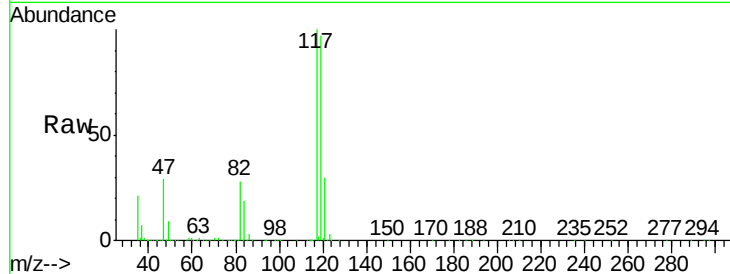
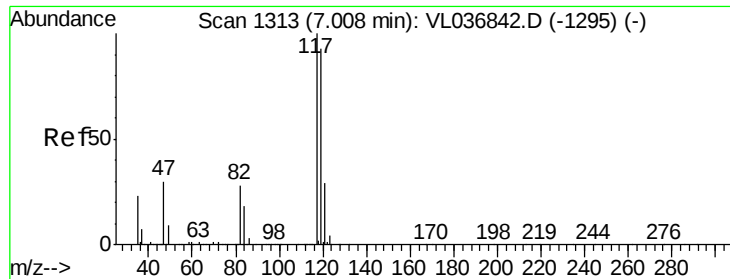
#34
 2-Butanone
 Concen: 9.273 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.6	26.4



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





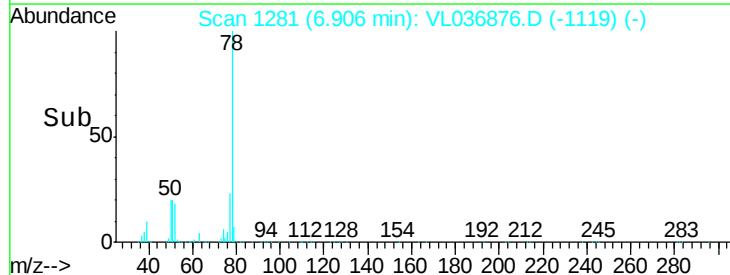
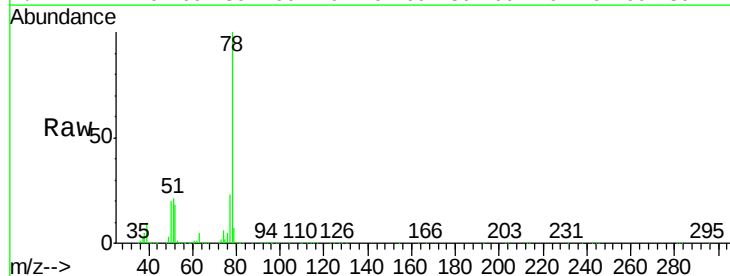
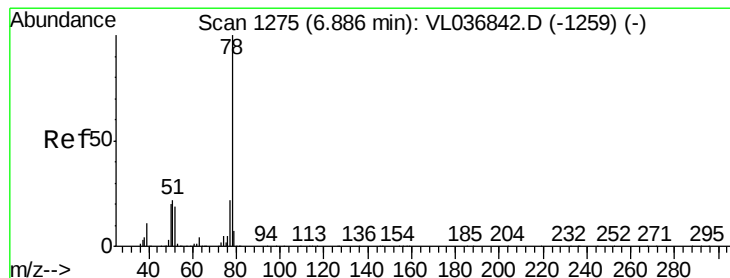
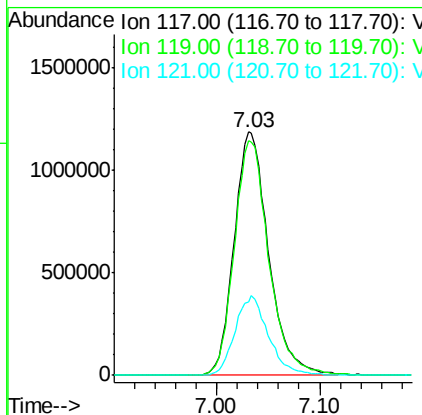
#35
Carbon Tetrachloride
Concen: 10.231 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.6	111.8
121	30.3	23.3	34.9

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

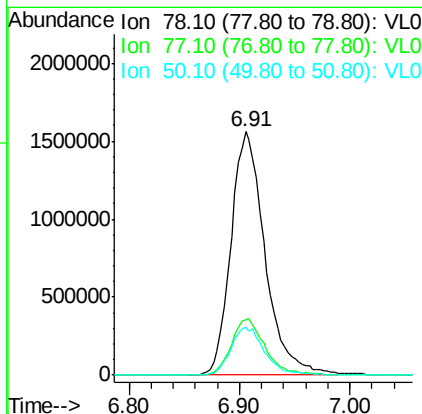
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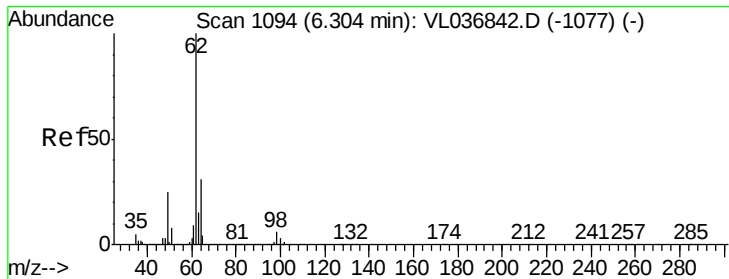
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#36
Benzene
Concen: 9.983 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.6	26.4
50	19.5	16.3	24.5





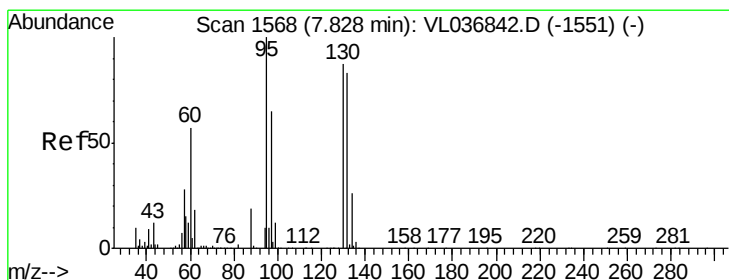
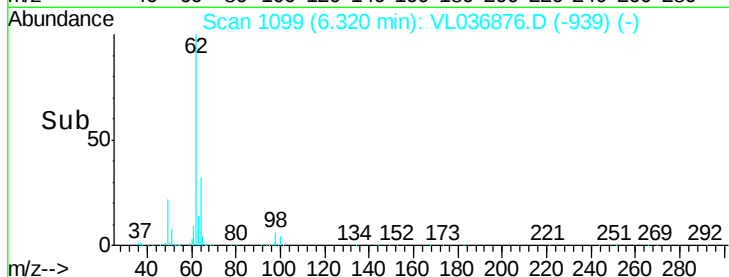
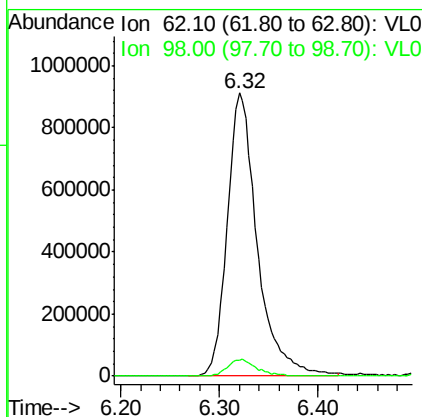
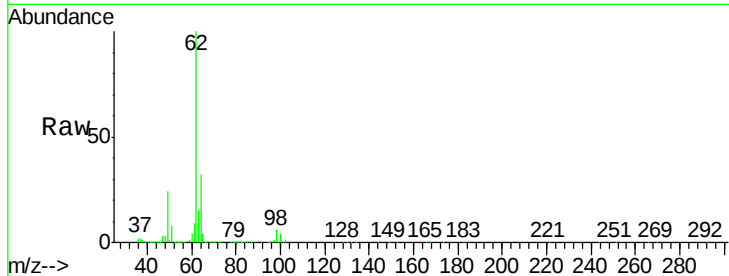
#37
 1,2-Dichloroethane
 Concen: 10.253 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.8	7.2

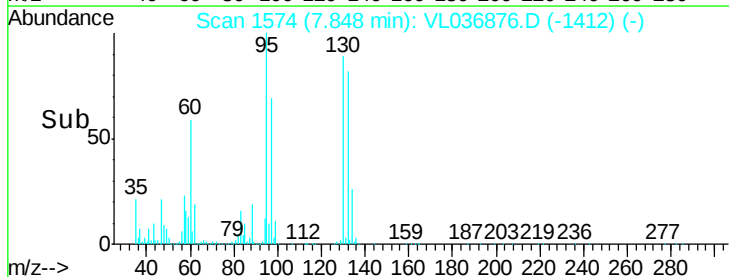
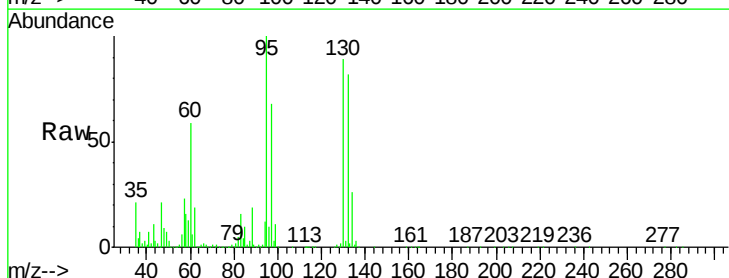
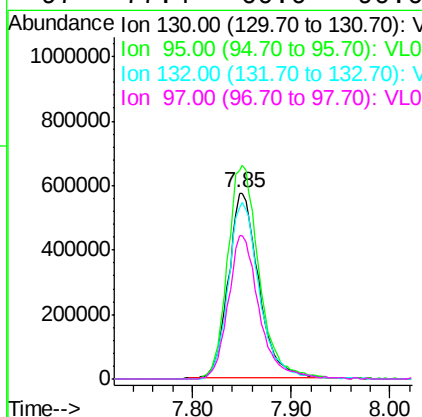
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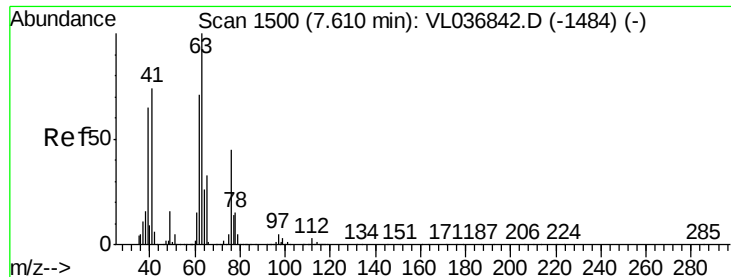
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#38
 Trichloroethene
 Concen: 10.377 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.0	92.3	138.5
132	92.4	76.8	115.2
97	77.4	60.0	90.0





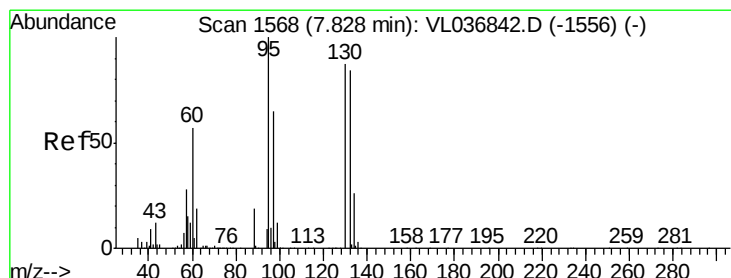
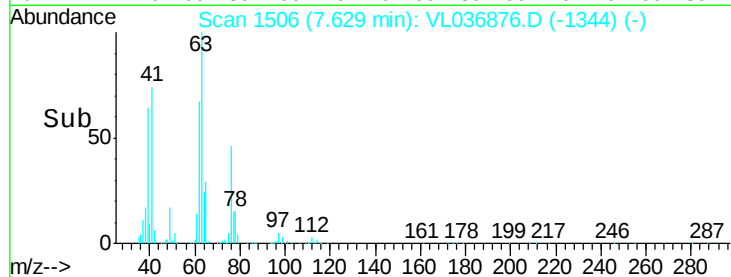
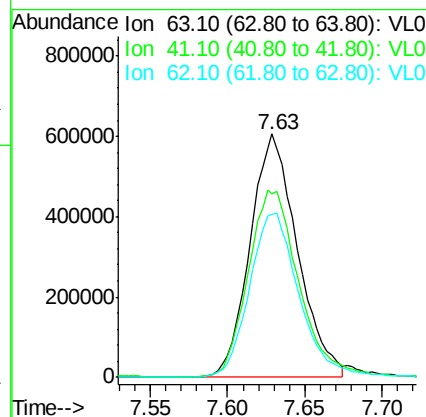
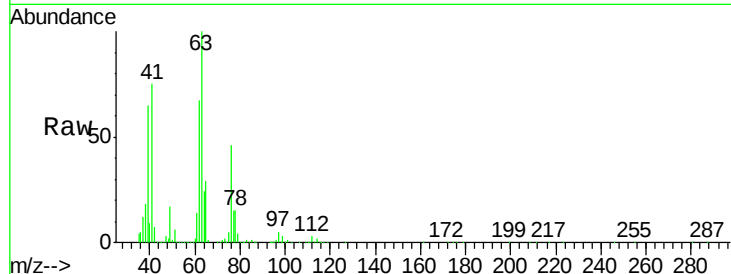
#39
 1,2-Dichloropropane
 Concen: 9.611 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.9	59.1	88.7
62	66.8	56.9	85.3

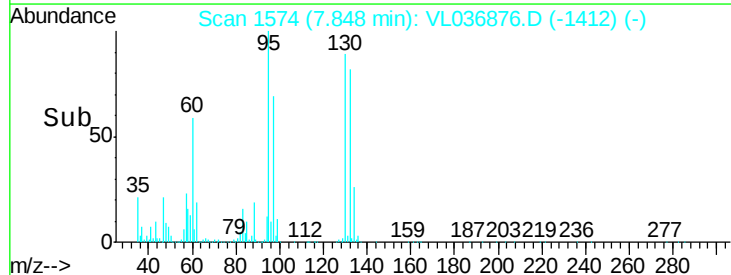
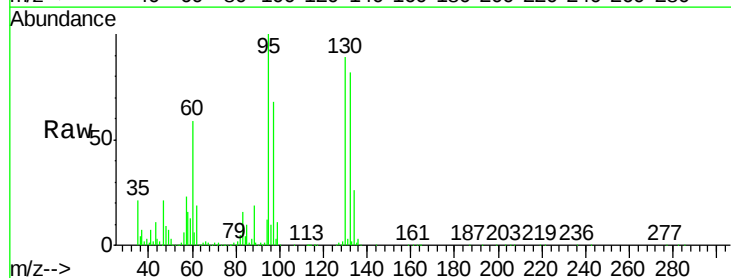
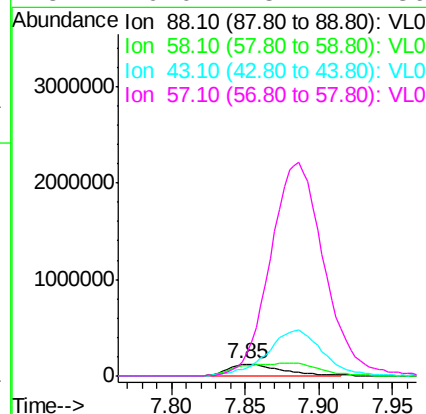
Manual Integrations
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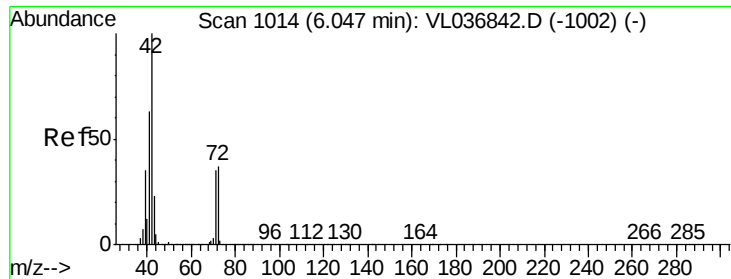
MMDadoda
 4/29/2021 5:53:50 PM



#40
 1,4-Dioxane
 Concen: 9.751 ppbv m
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	132.6	198.8#
43	0.0	331.5	497.3#
57	0.0	1457.4	2186.0#





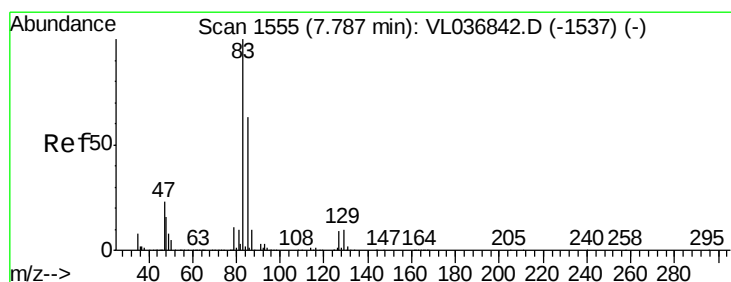
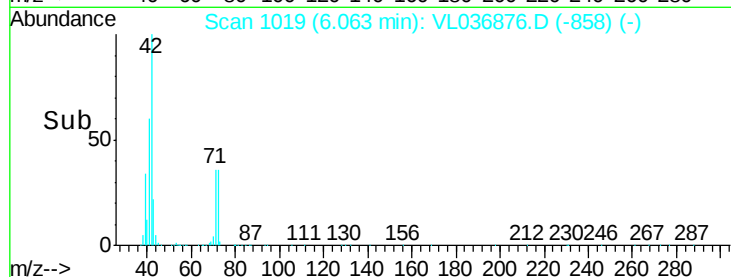
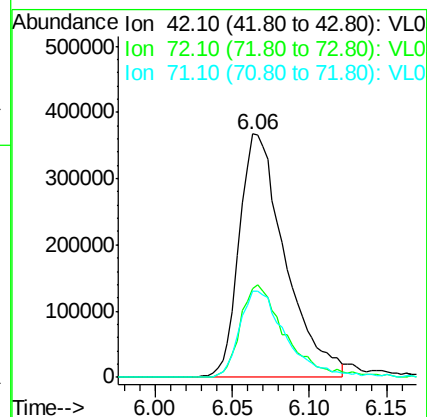
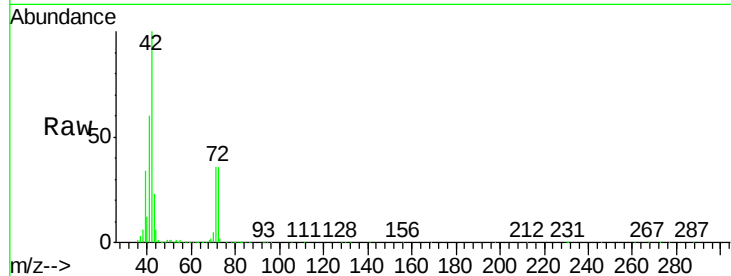
#41
Tetrahydrofuran
Concen: 9.878 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	29.7	44.5
71	37.0	29.0	43.6

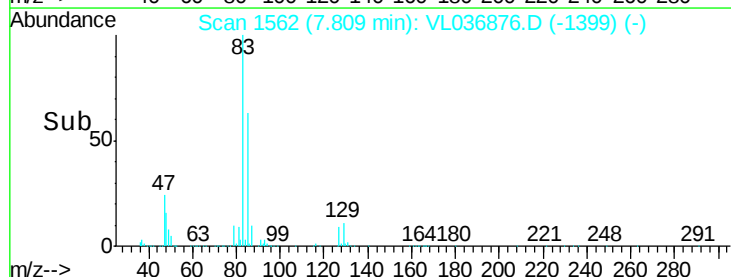
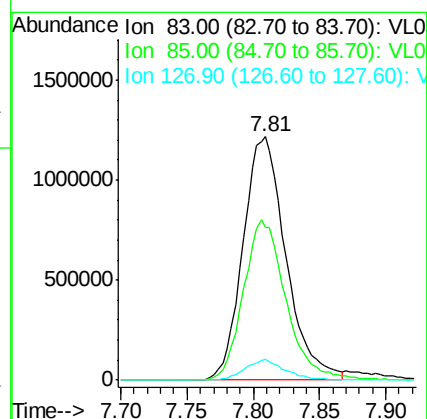
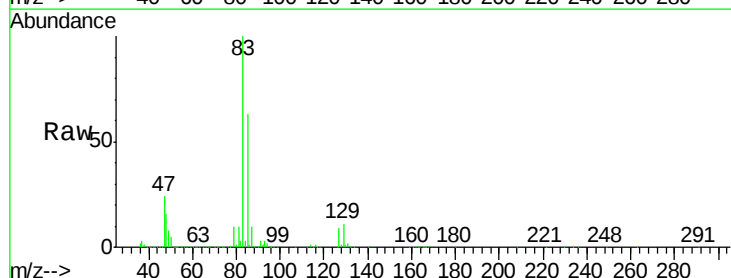
Manual Integrations
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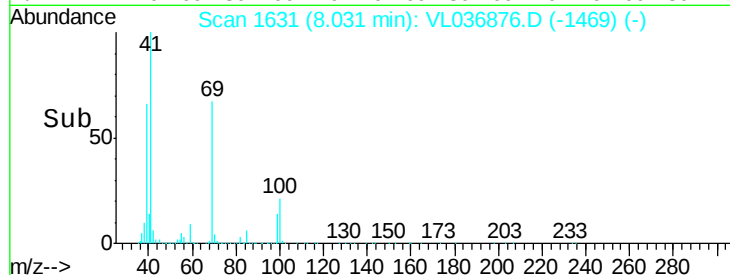
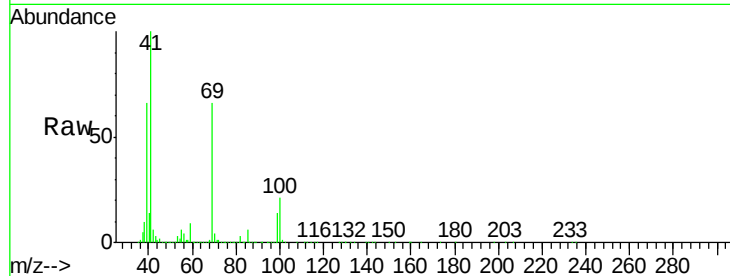
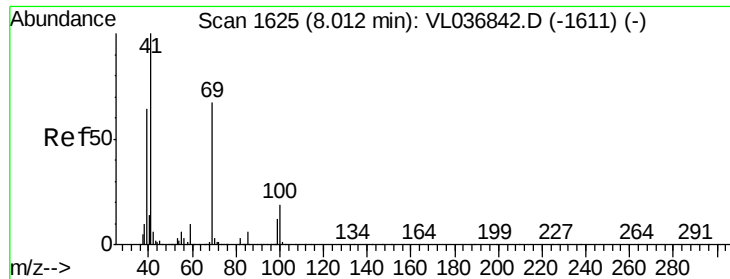
MMDadoda
4/29/2021 5:53:50 PM



#42
Bromodichloromethane
Concen: 10.422 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.4	75.6
127	8.6	6.9	10.3





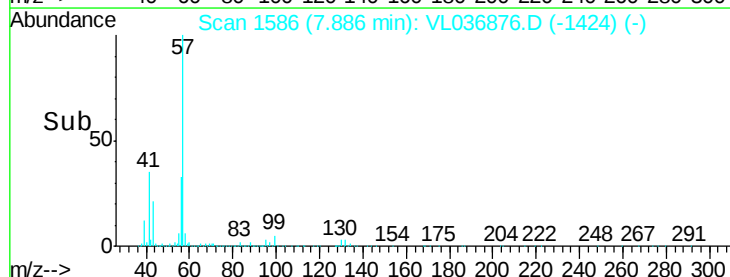
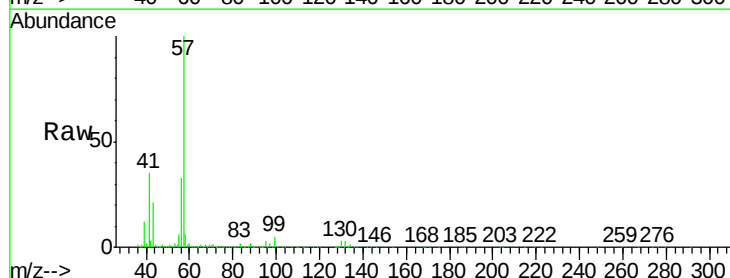
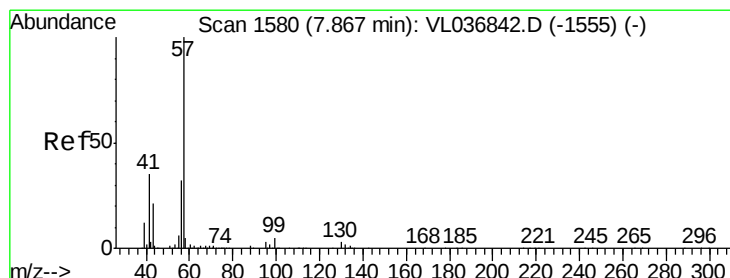
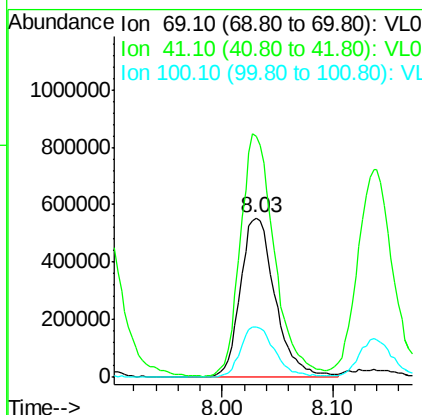
#43
Methvl Methacrilate
Concen: 11.127 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tot Ion: 69 Resp: 1214835
Ion Ratio Lower Upper
69 100
41 149.7 124.2 186.4
100 31.4 25.5 38.3

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

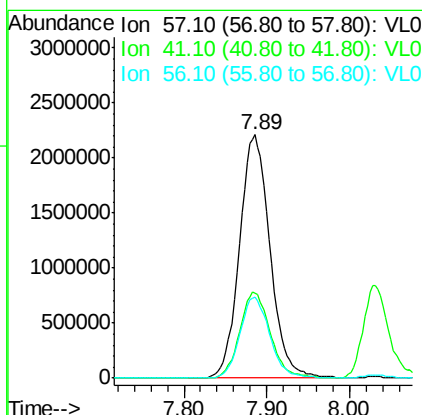
Manual Integrations
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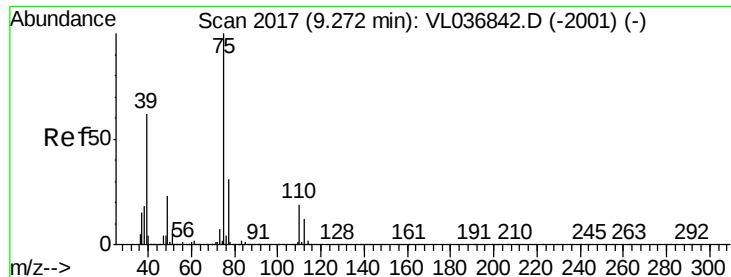
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.872 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion: 57 Resp: 5660817
Ion Ratio Lower Upper
57 100
41 35.3 28.2 42.4
56 32.7 25.9 38.9





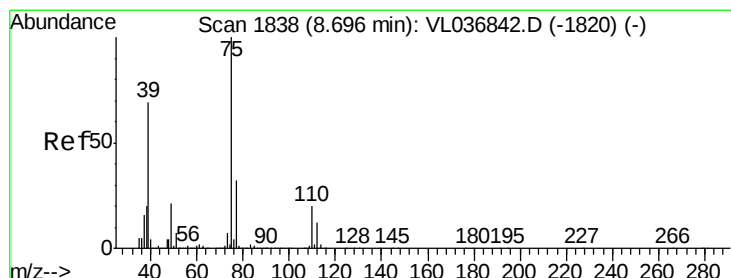
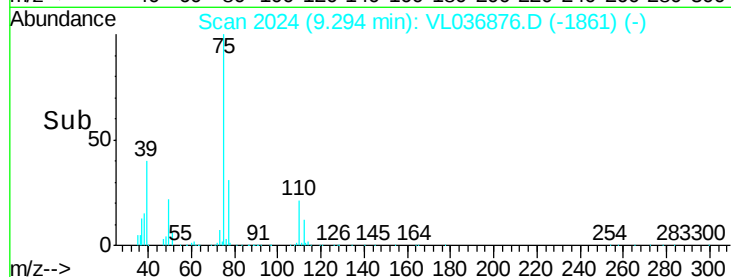
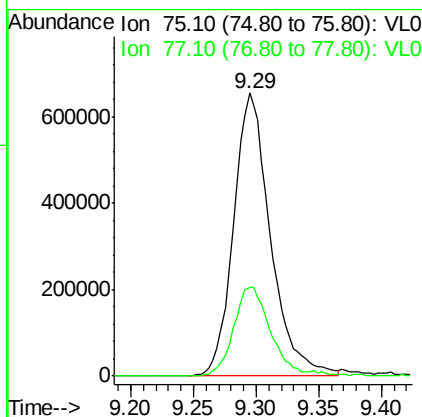
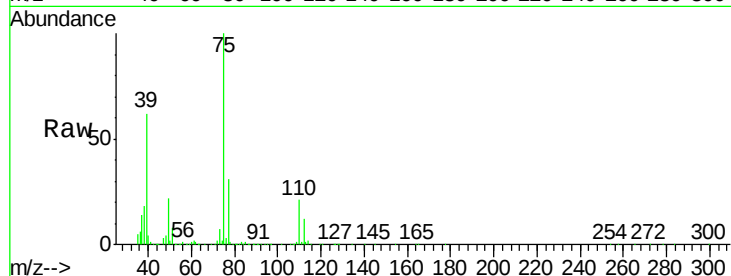
#45
t-1,3-Dichloropropene
Concen: 11.329 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion: 75 Resp: 1333269
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0

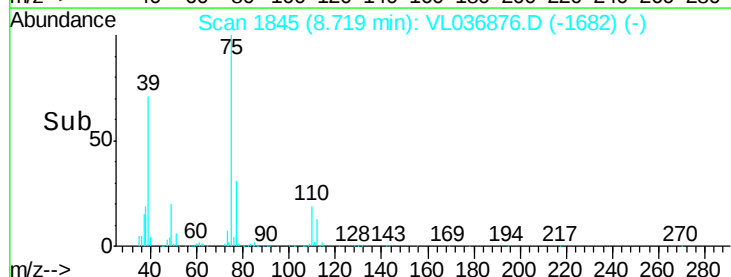
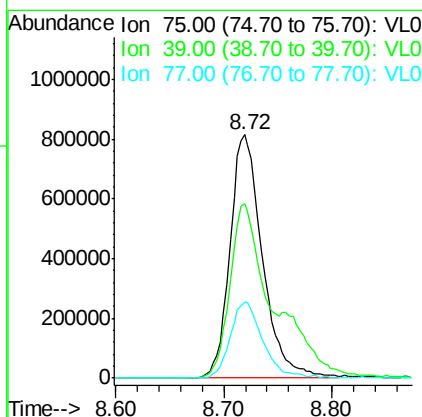
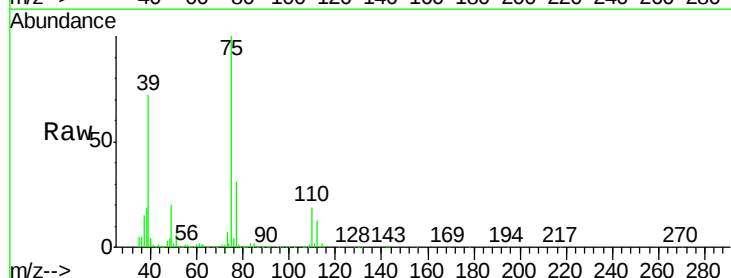
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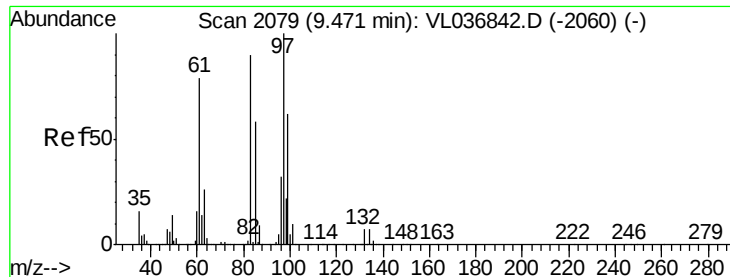
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.319 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion: 75 Resp: 1708047
Ion Ratio Lower Upper
75 100
39 71.7 55.4 83.0
77 31.4 25.2 37.8





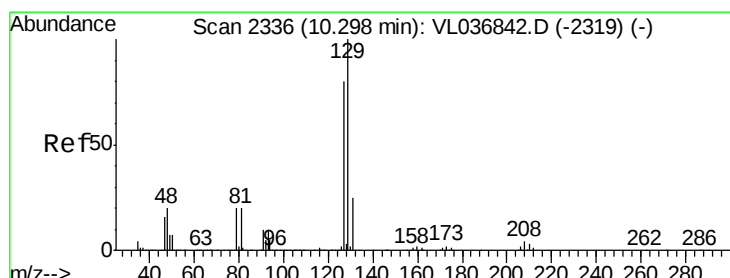
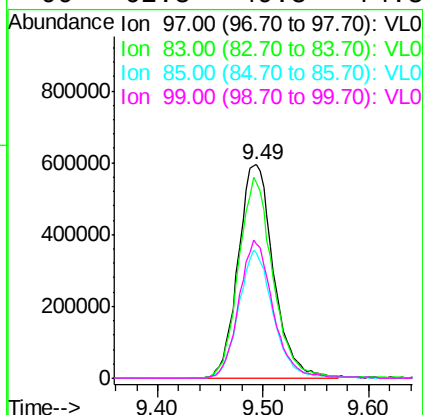
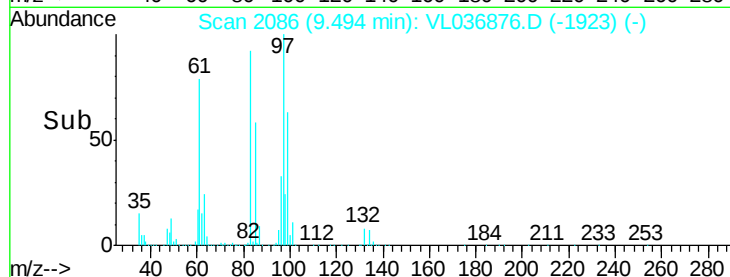
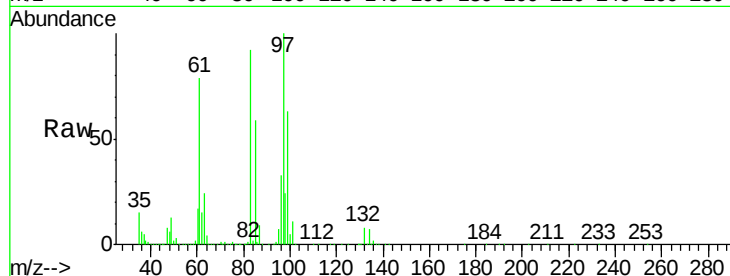
#47
 1,1,2-Trichloroethane
 Concen: 10.005 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.8	71.9	107.9
85	58.6	46.5	69.7
99	62.8	49.8	74.8

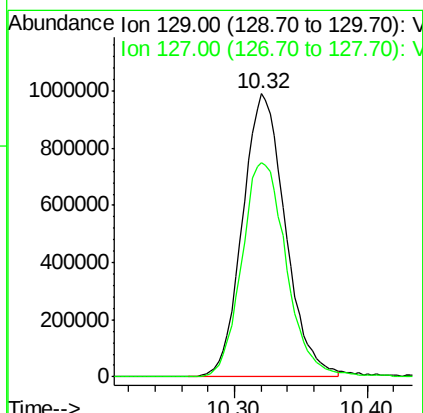
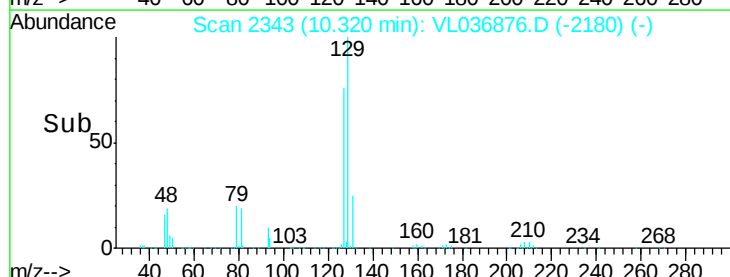
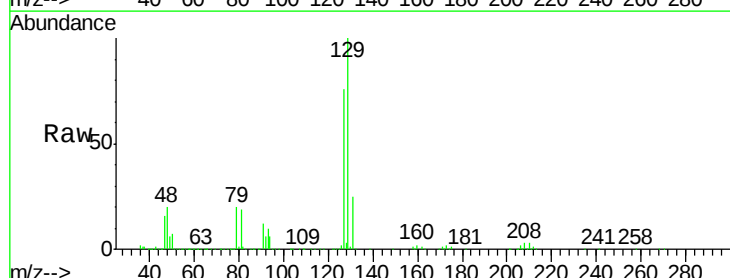
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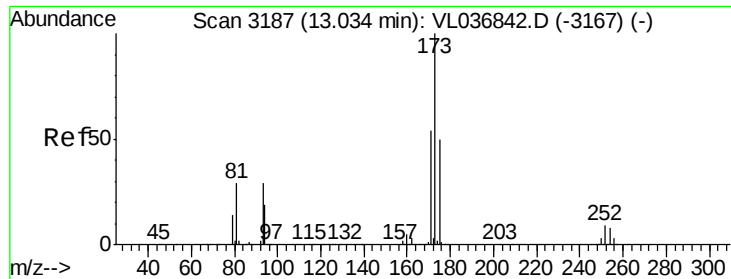
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#48
 Dibromochloromethane
 Concen: 10.842 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	40.2	120.5





#49

Bromoform

Concen: 11.228 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.03 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion:173 Resp: 1843304

Ion Ratio Lower Upper

173 100

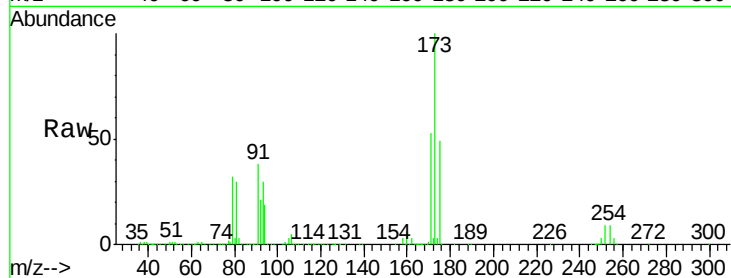
175 50.6 39.6 59.4

171 53.1 42.2 63.4

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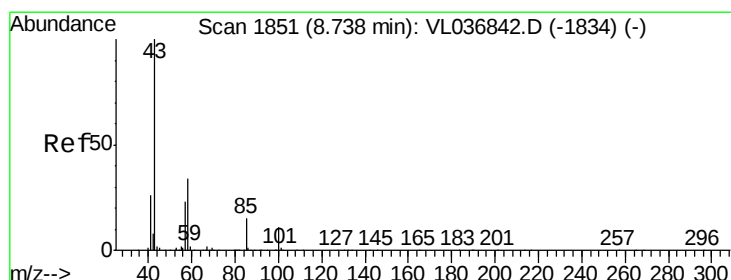
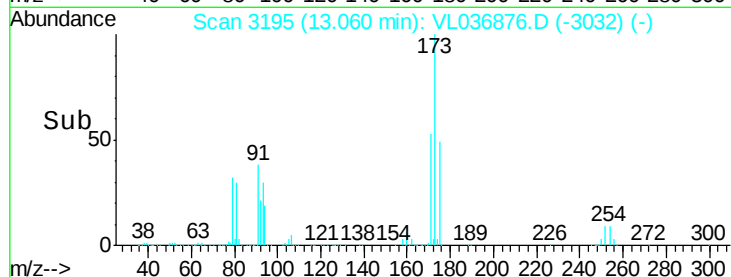
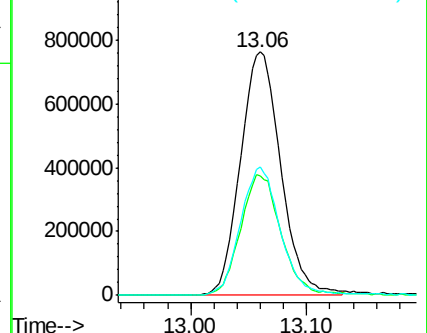
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.456 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.02 min

Lab File: VL036876.D

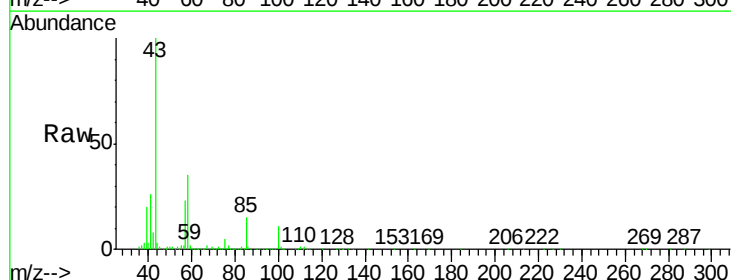
Acq: 28 Apr 2021 12:05

Tgt Ion: 43 Resp: 2486196

Ion Ratio Lower Upper

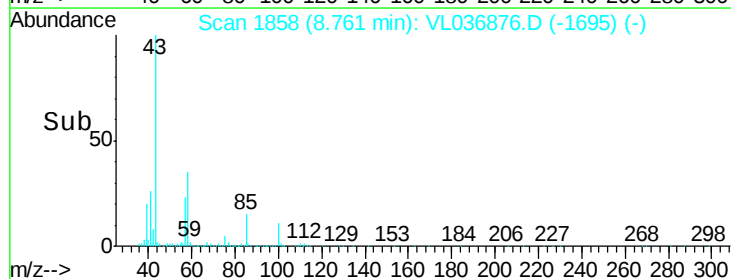
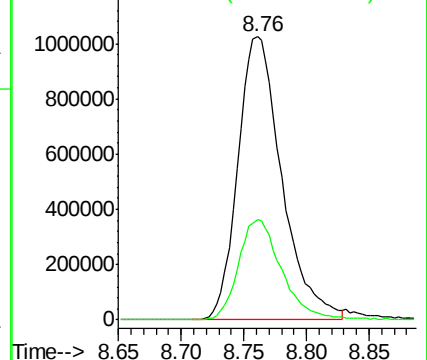
43 100

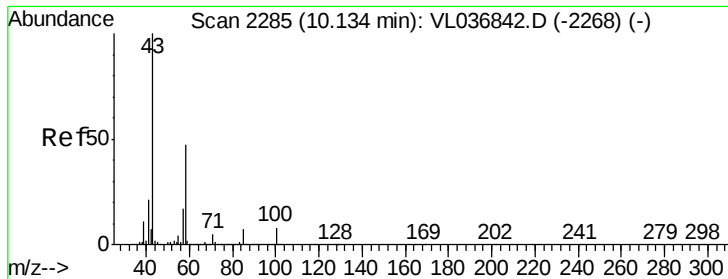
58 35.3 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.745 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 43 Resp: 1274256

Ion Ratio Lower Upper

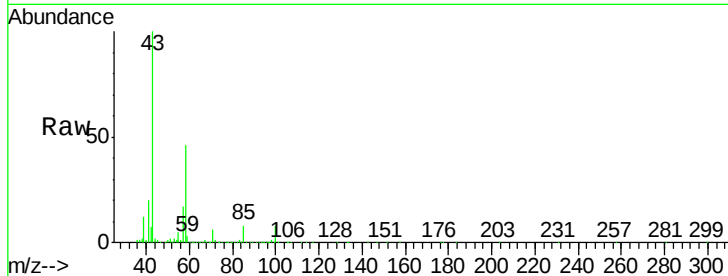
43 100

58 46.6 37.0 55.6

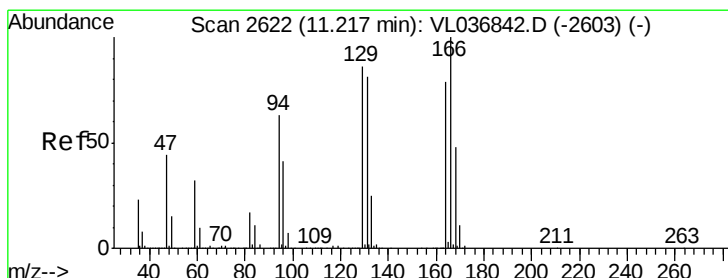
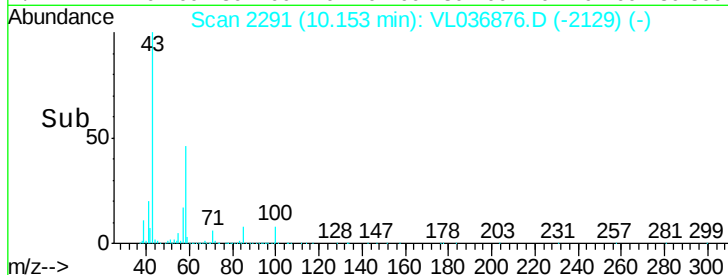
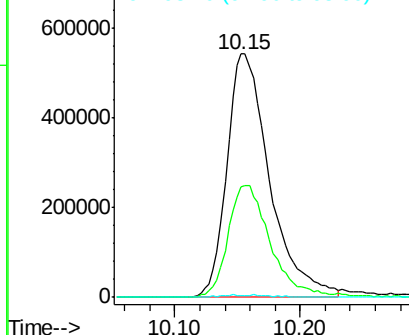
98 1.3 0.2 0.4#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.816 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tgt Ion:164 Resp: 1118399

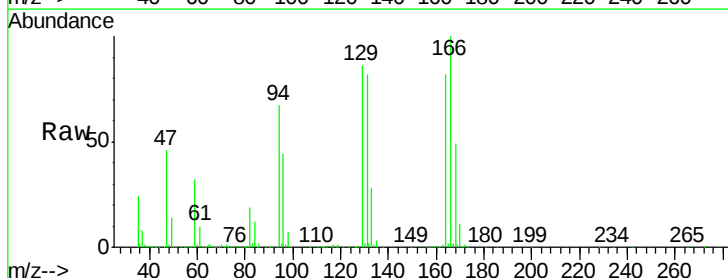
Ion Ratio Lower Upper

164 100

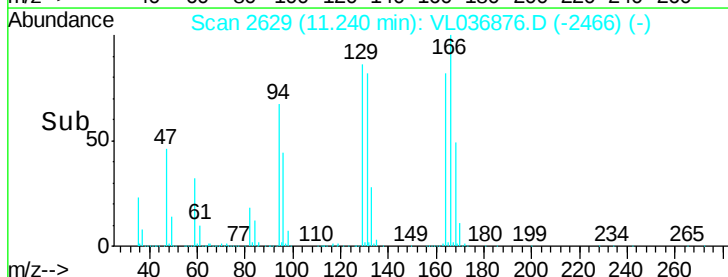
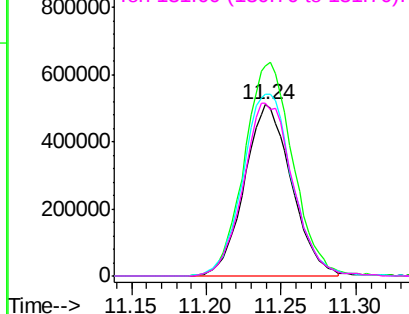
166 122.5 100.9 151.3

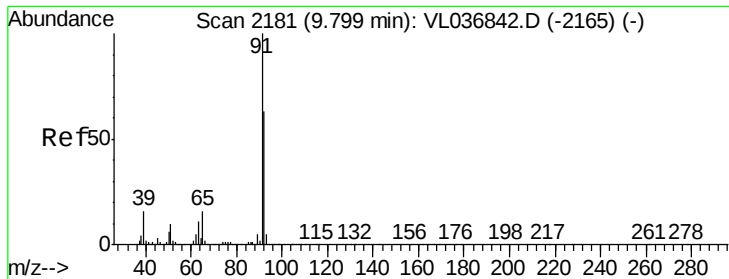
129 105.7 87.0 130.4

131 100.8 81.7 122.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.693 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. 0.03 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 91 Resp: 3743611

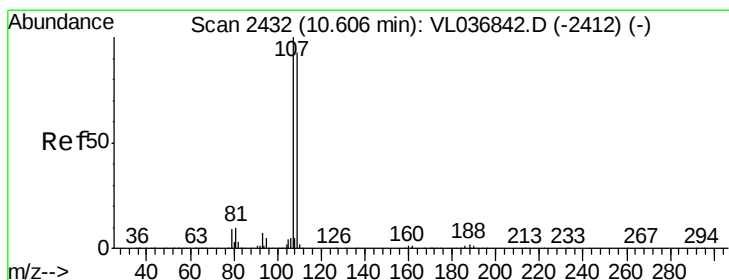
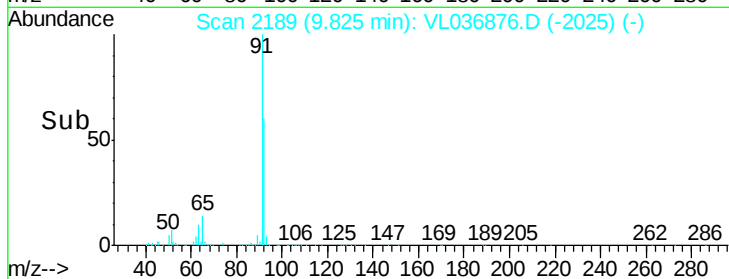
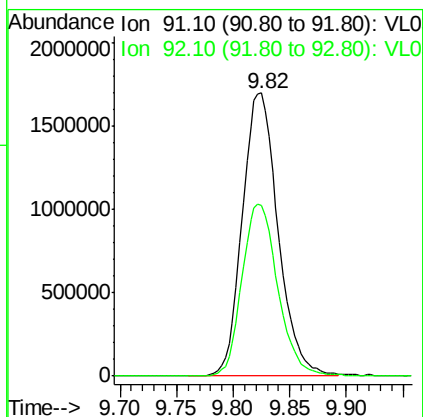
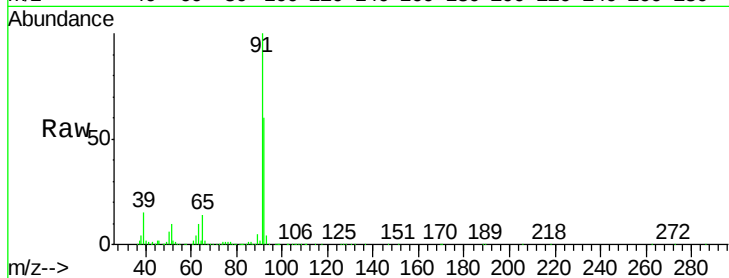
Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.4

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#54

1,2-Dibromoethane

Concen: 9.903 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.02 min

Lab File: VL036876.D

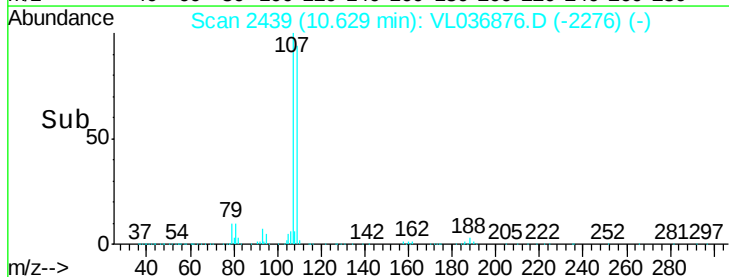
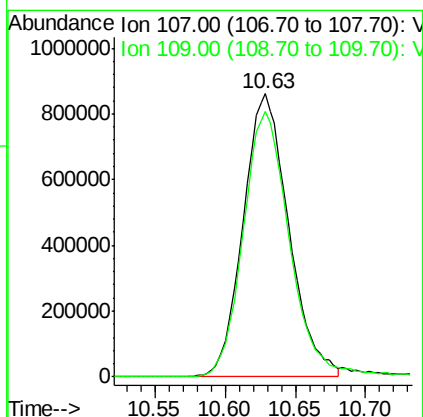
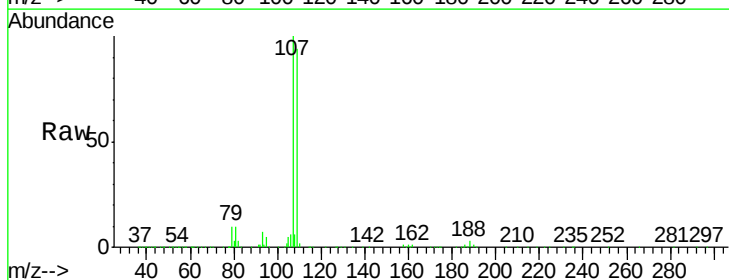
Acq: 28 Apr 2021 12:05

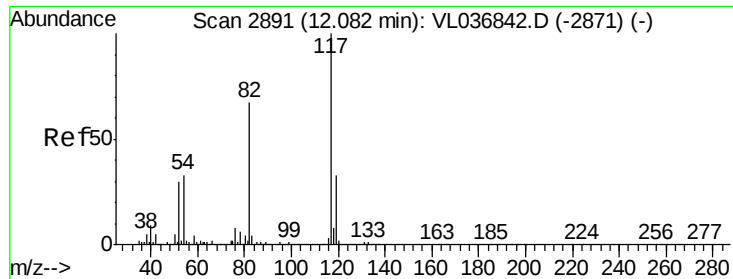
Tgt Ion: 107 Resp: 1940364

Ion Ratio Lower Upper

107 100

109 93.8 74.7 112.1





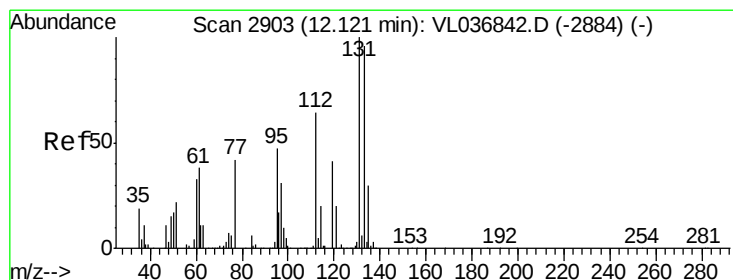
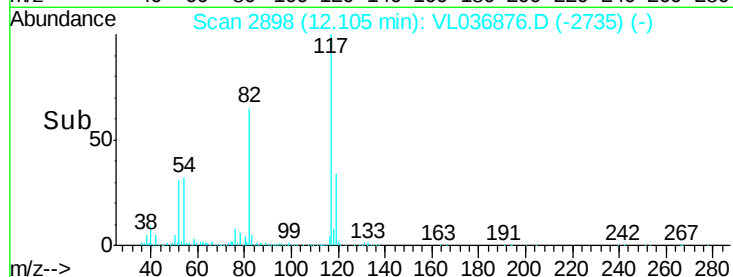
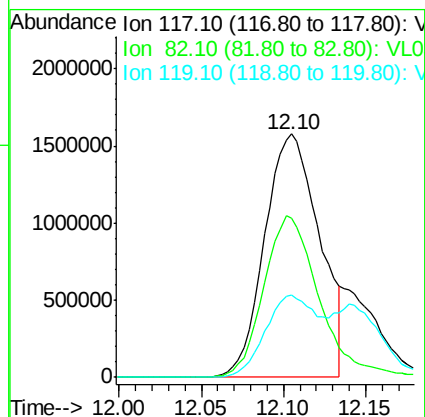
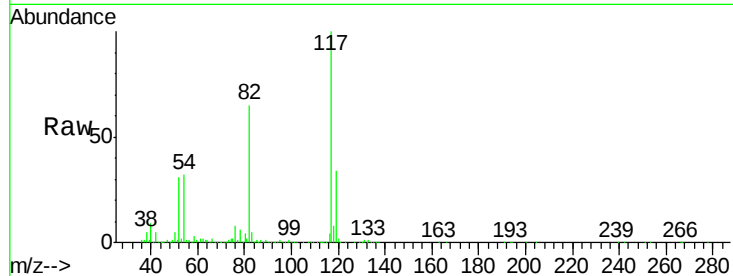
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion:117 Resp: 3656265
Ion Ratio Lower Upper
117 100
82 67.9 53.5 80.3
119 29.3 25.6 38.4

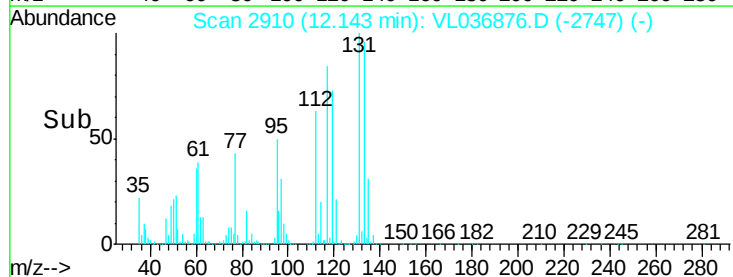
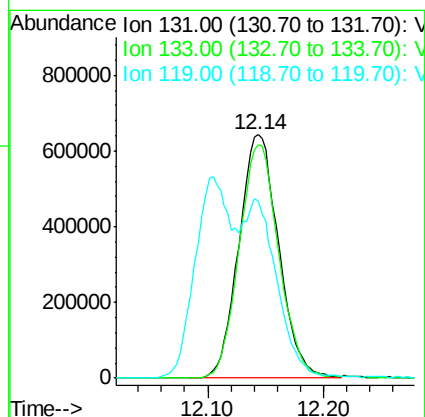
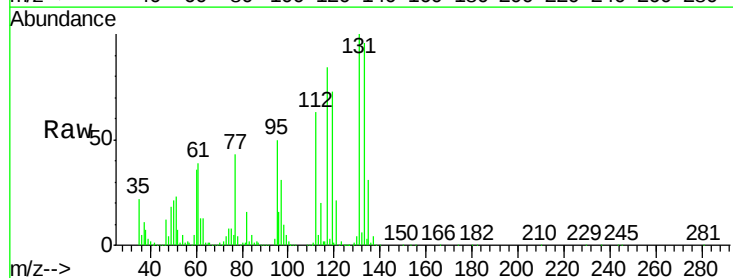
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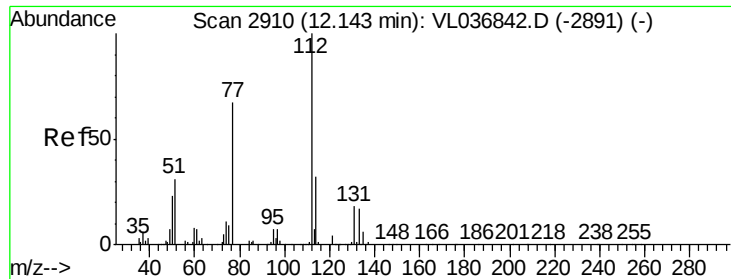
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.981 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion:131 Resp: 1529893
Ion Ratio Lower Upper
131 100
133 96.2 76.3 114.5
119 142.3 114.9 172.3





#57

Chlorobenzene

Concen: 9.752 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion:112 Resp: 2777240

Ion Ratio Lower Upper

112 100

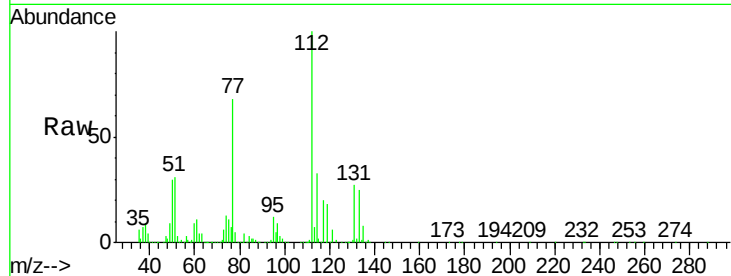
77 67.9 54.2 81.4

114 32.5 28.5 34.9

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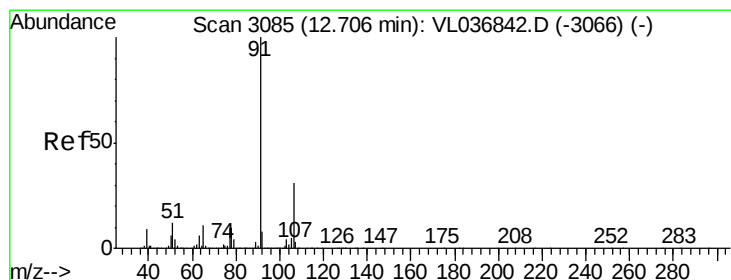
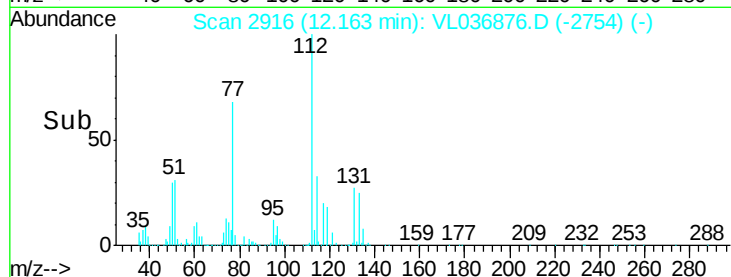
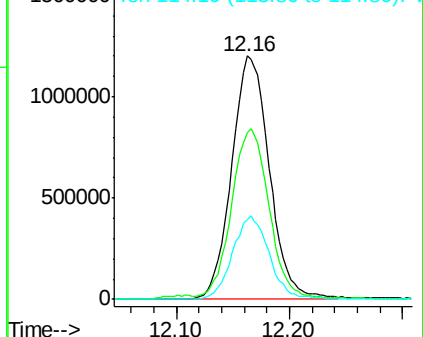
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.783 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.02 min

Lab File: VL036876.D

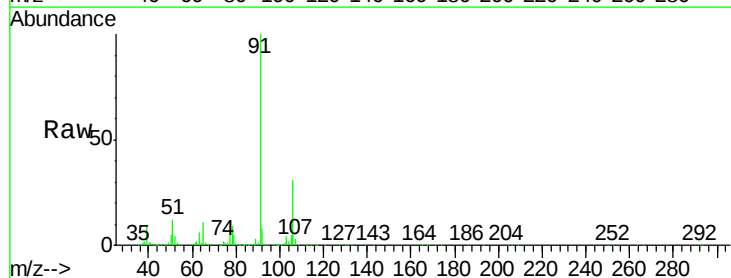
Acq: 28 Apr 2021 12:05

Tgt Ion: 91 Resp: 5000494

Ion Ratio Lower Upper

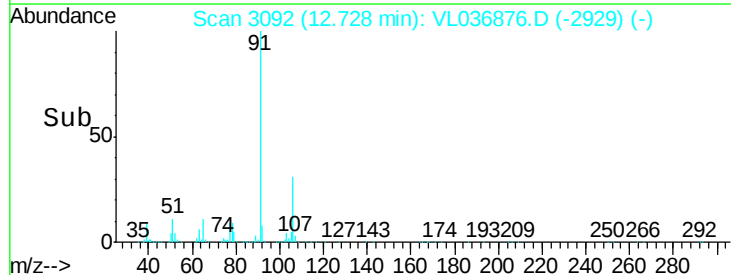
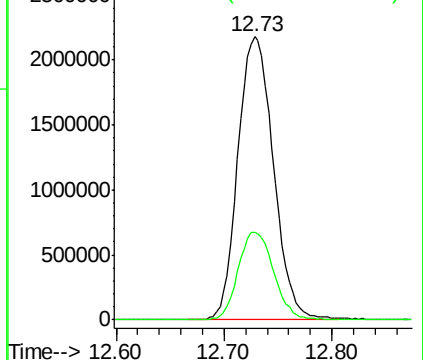
91 100

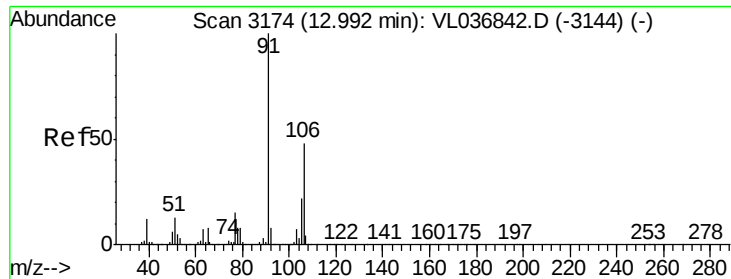
106 31.1 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





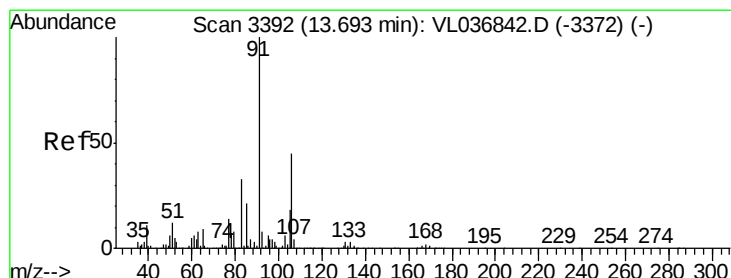
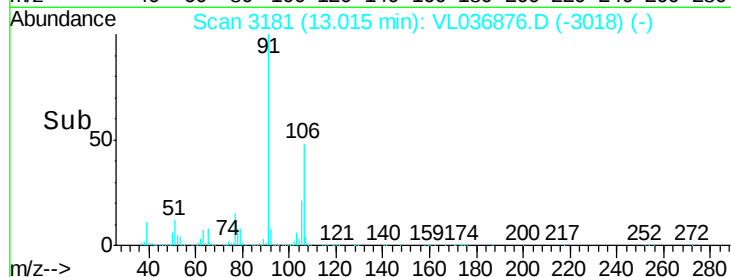
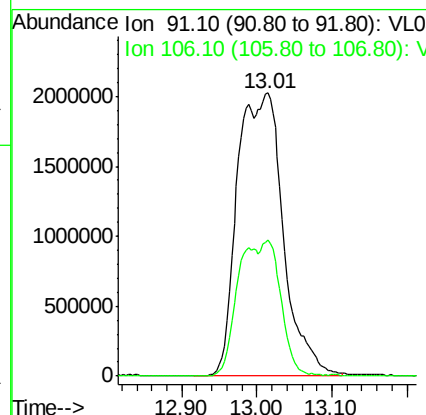
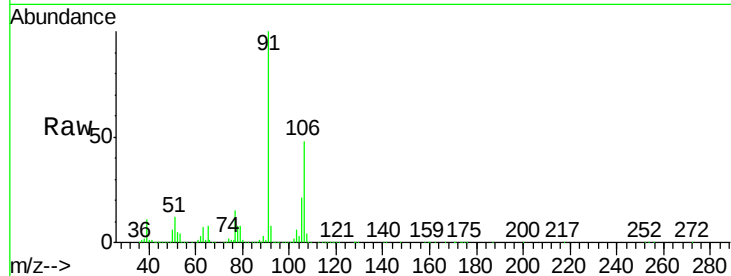
#59
m/p-Xylene
Concen: 20.779 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion: 91 Resp: 8612449
Ion Ratio Lower Upper
91 100
106 44.6 35.8 53.6

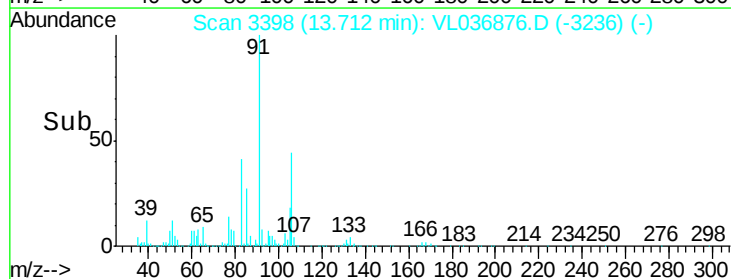
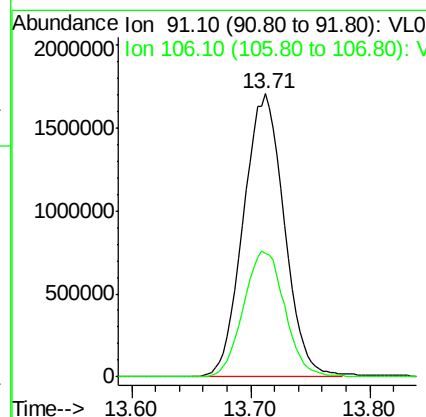
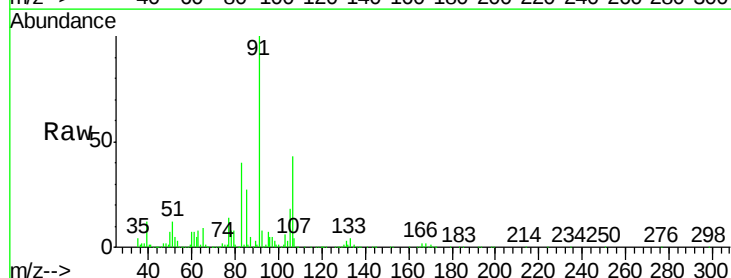
Manual Integrations
APPROVED

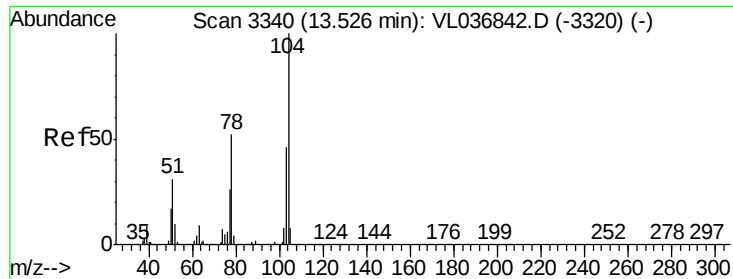
MMDadoda
4/29/2021 5:53:50 PM



#60
o-Xylene
Concen: 10.069 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion: 91 Resp: 4035307
Ion Ratio Lower Upper
91 100
106 45.4 22.6 67.7





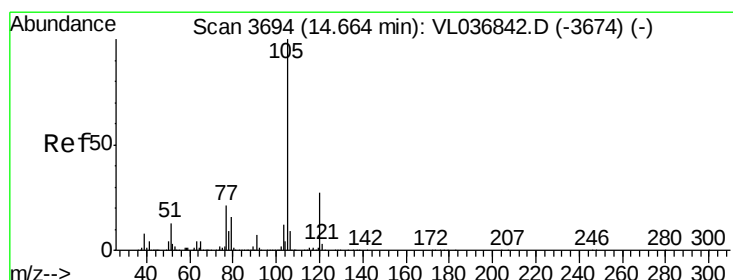
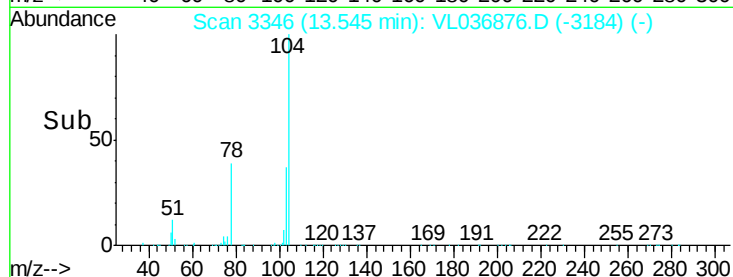
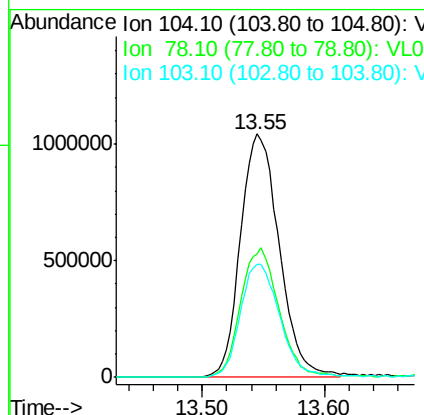
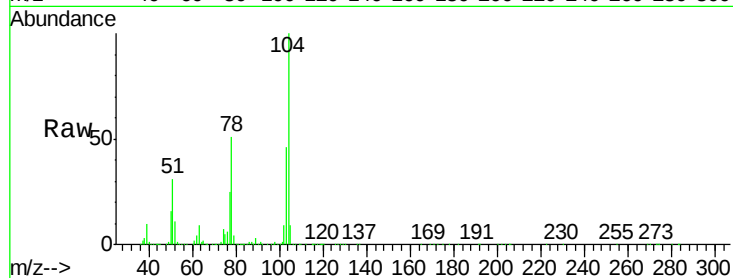
#61
Stvrene
Concen: 12.171 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion:104 Resp: 2290623
Ion Ratio Lower Upper
104 100
78 53.2 42.6 64.0
103 47.4 38.1 57.1

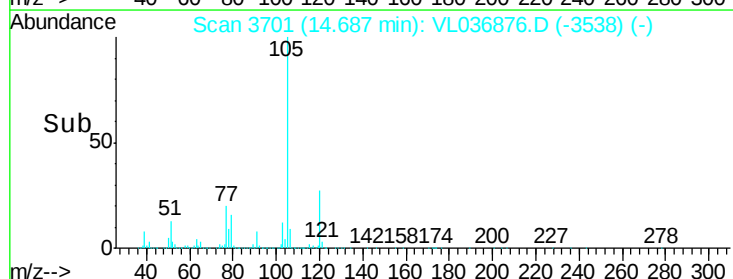
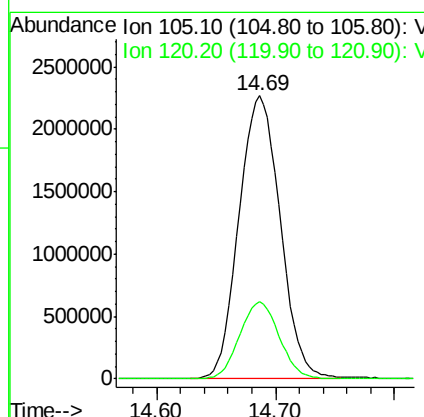
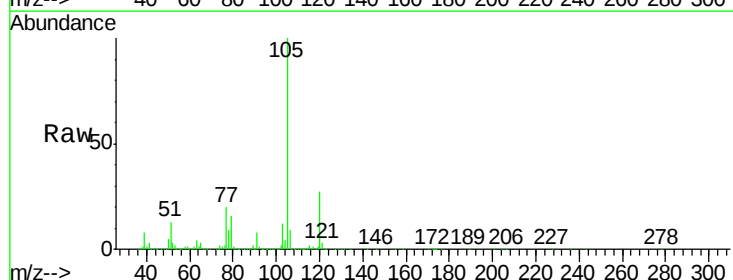
Manual Integrations
APPROVED

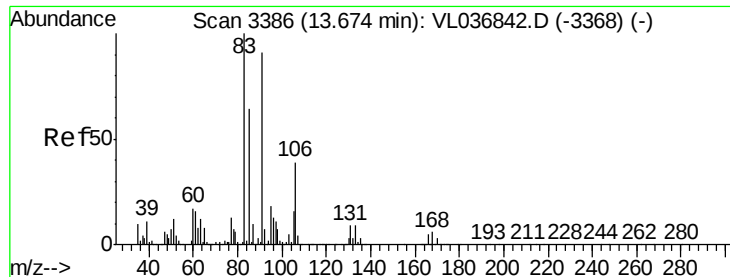
MMDadoda
4/29/2021 5:53:50 PM



#62
Isopropylbenzene
Concen: 9.984 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion:105 Resp: 5444006
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7





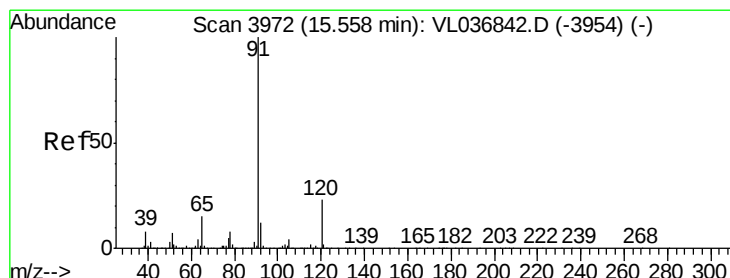
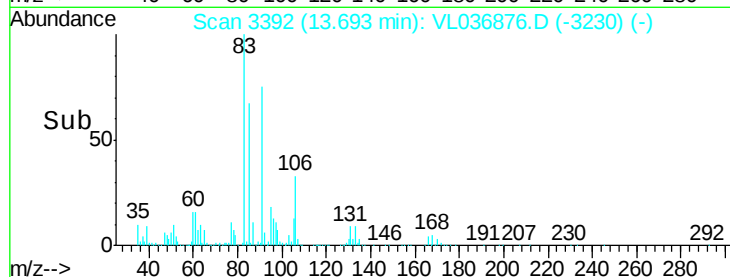
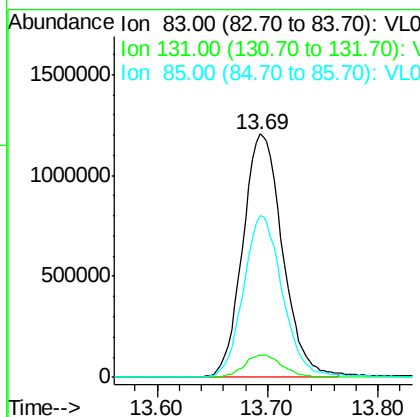
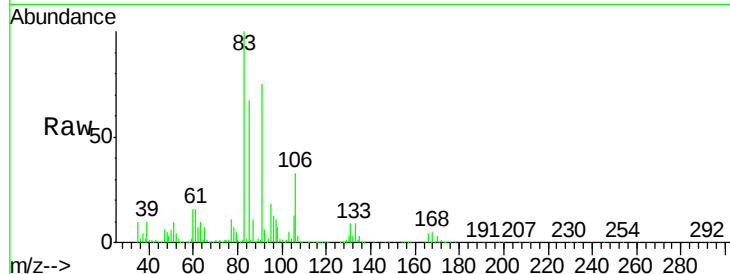
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.375 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.8	14.3
85	66.3	32.8	98.4

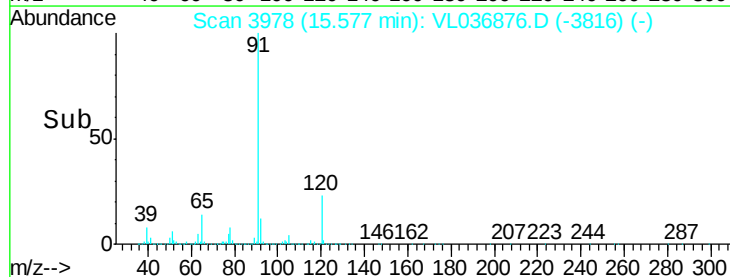
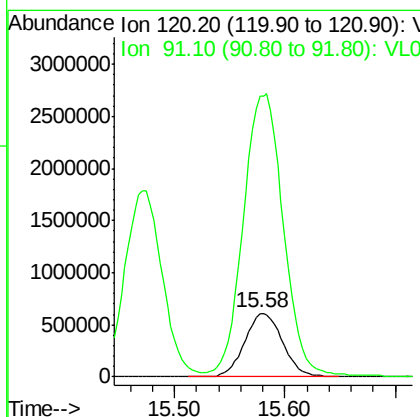
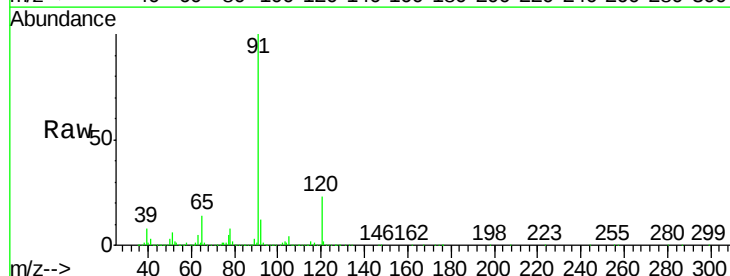
Manual Integrations
 APPROVED

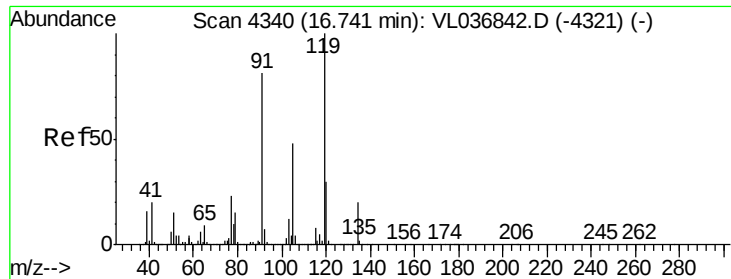
MMDadoda
 4/29/2021 5:53:50 PM



#64
 n-propylbenzene
 Concen: 10.651 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
120	100		
91	472.8	378.6	567.8





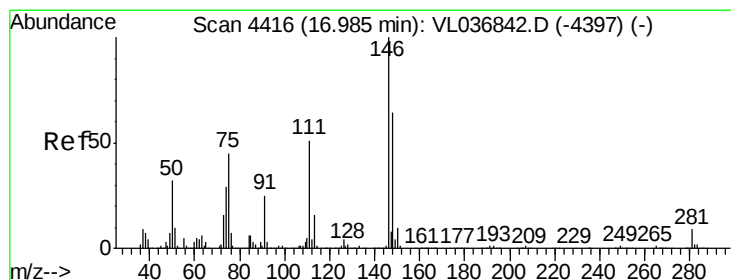
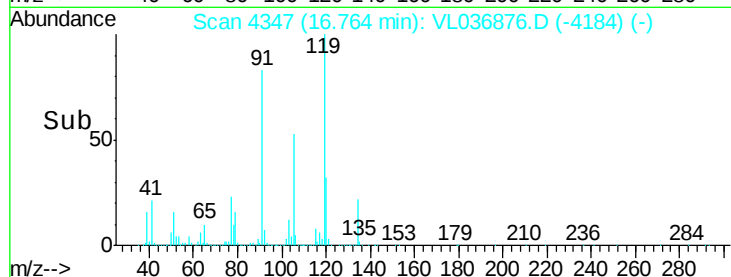
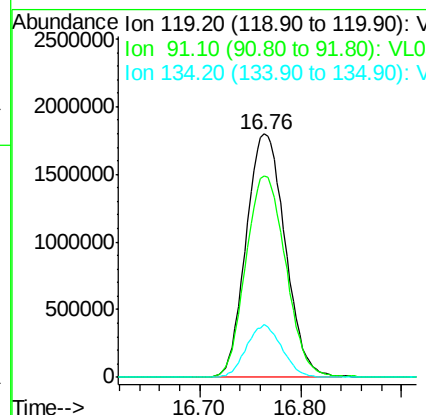
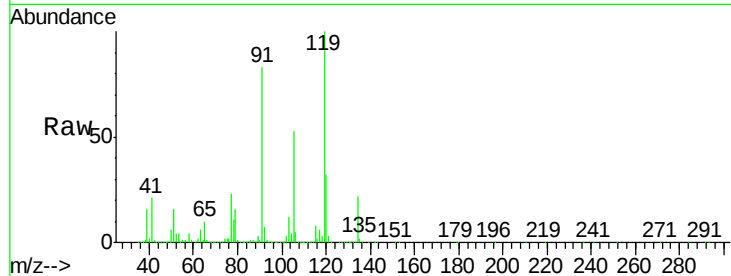
#65
tert-Butylbenzene
Concen: 10.011 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.0	67.0	100.6
134	19.8	15.8	23.6

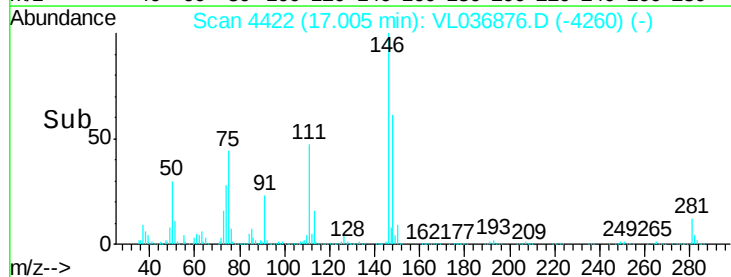
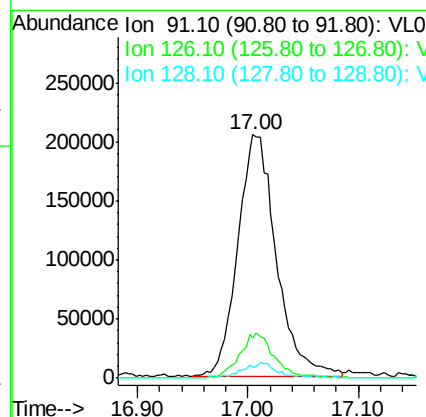
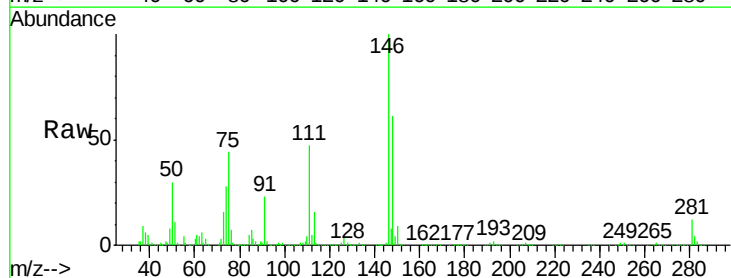
Manual Integrations
APPROVED

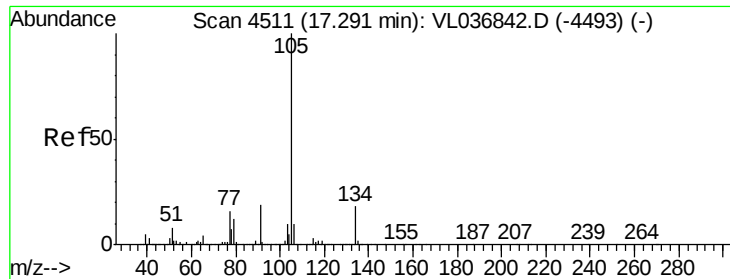
MMDadoda
4/29/2021 5:53:50 PM



#66
Benzyl Chloride
Concen: 10.488 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.1	21.1
128	6.0	4.8	7.2





#67

sec-Butylbenzene

Concen: 10.100 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 105 Resp: 6761193

Ion Ratio Lower Upper

105 100

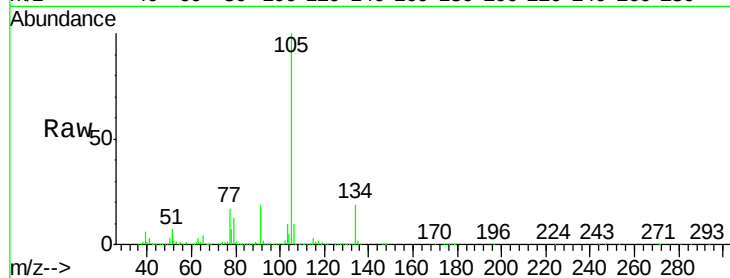
134 18.5

14.8 22.2

Manual Integrations
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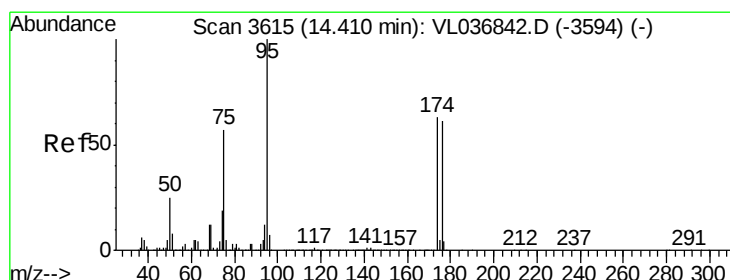
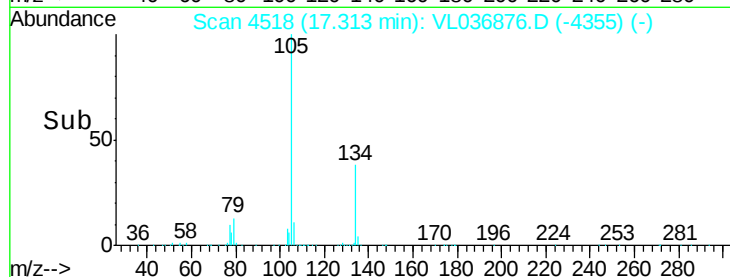
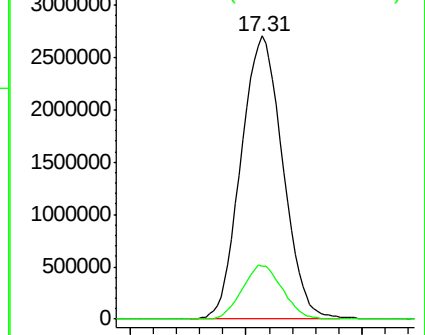
MMDadoda

4/29/2021 5:53:50 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.589 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.03 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tgt Ion: 95 Resp: 3107802

Ion Ratio Lower Upper

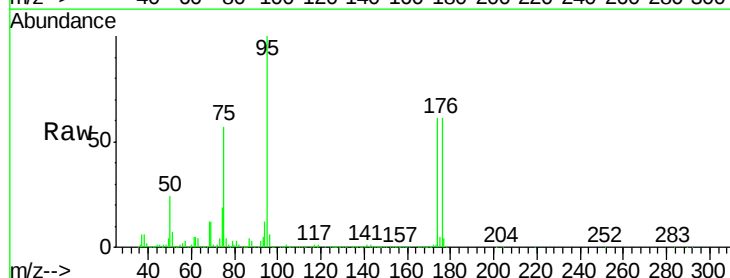
95 100

174 64.2

175 4.8

52.2 78.2

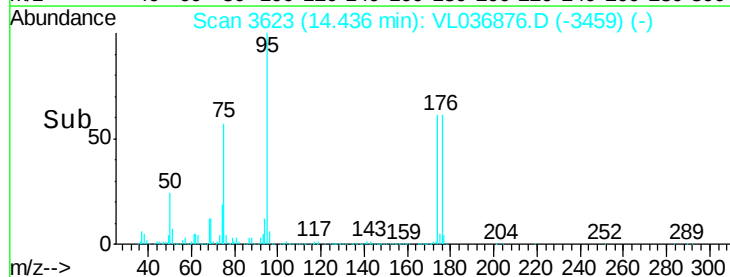
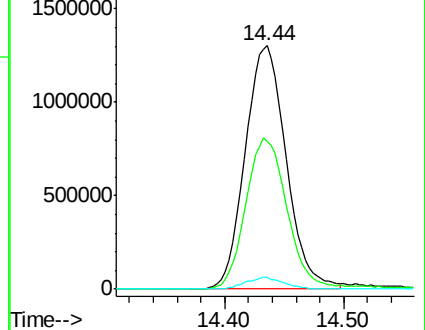
4.0 6.0

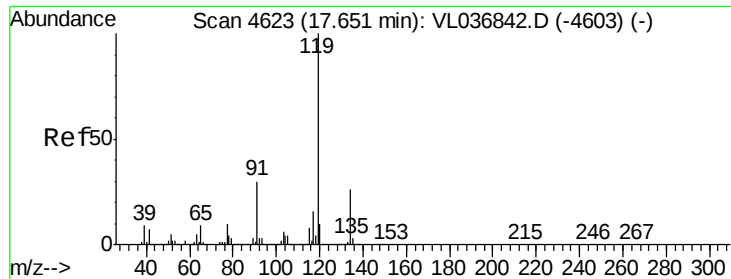


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





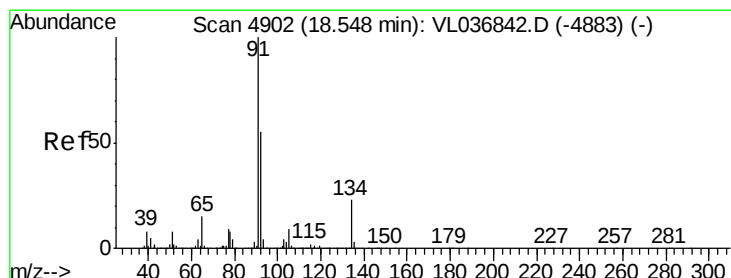
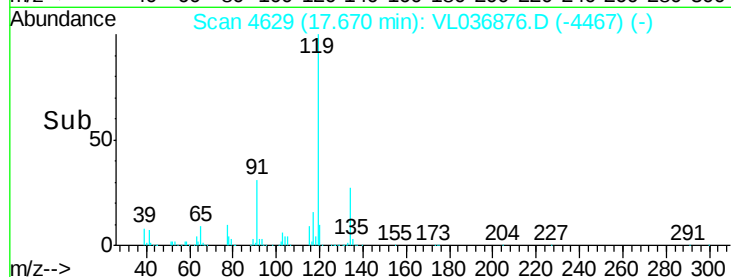
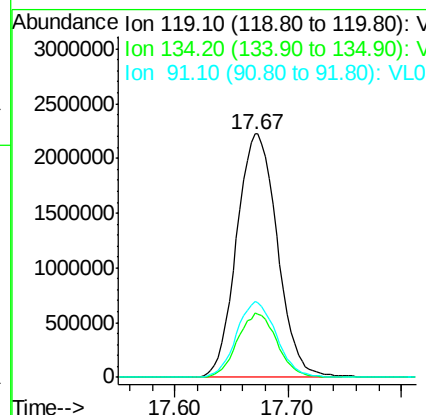
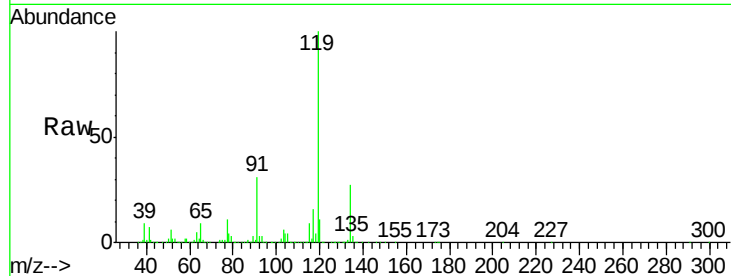
#69
p-Isopropyltoluene
Concen: 10.345 ppbv
RT: 17.67 min Scan# 4629
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	30.6	24.2	36.4

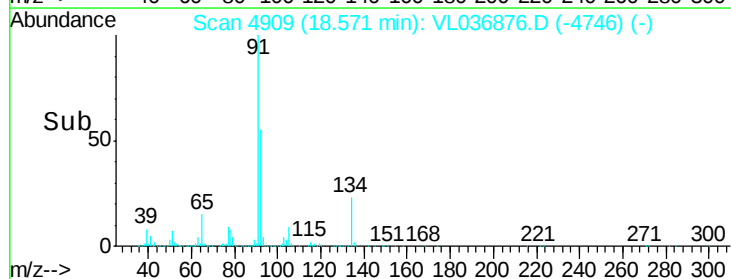
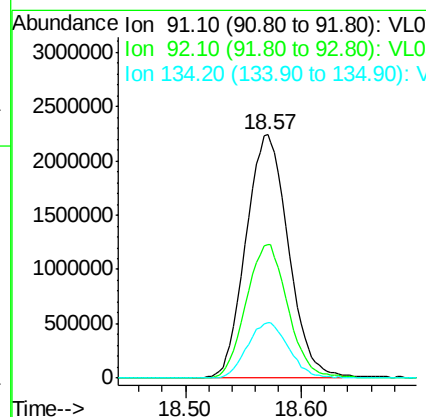
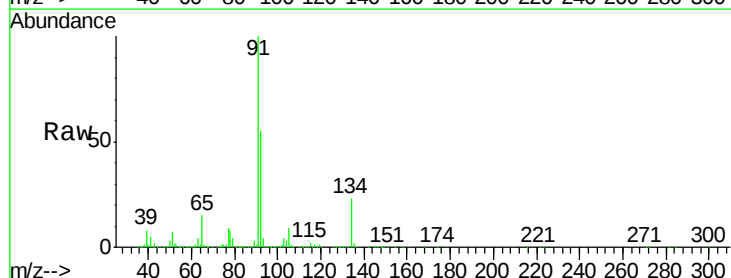
Manual Integrations
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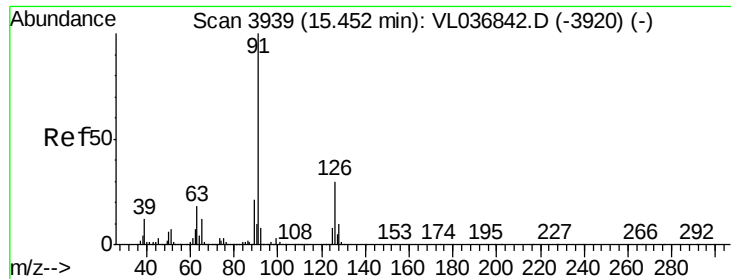
MMDadoda
4/29/2021 5:53:50 PM



#70
n-Butylbenzene
Concen: 10.545 ppbv
RT: 18.57 min Scan# 4909
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.5	65.3
134	22.5	18.2	27.4





#71

2-Chlorotoluene

Concen: 10.435 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion: 91 Resp: 4213923

Ion Ratio Lower Upper

91 100

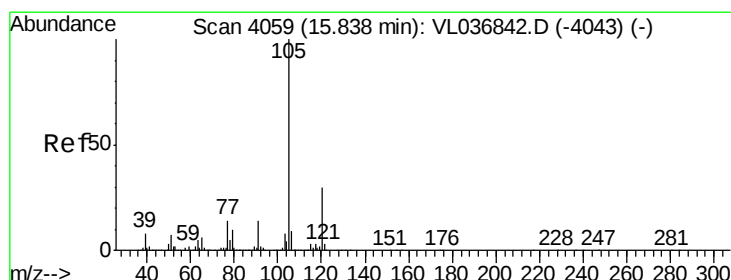
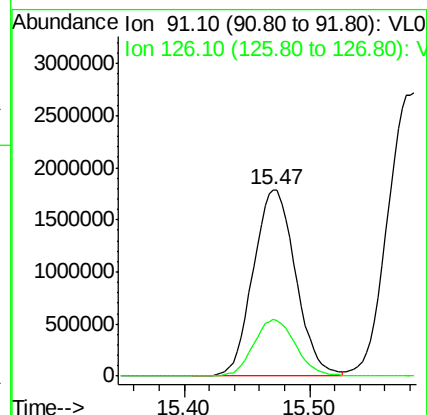
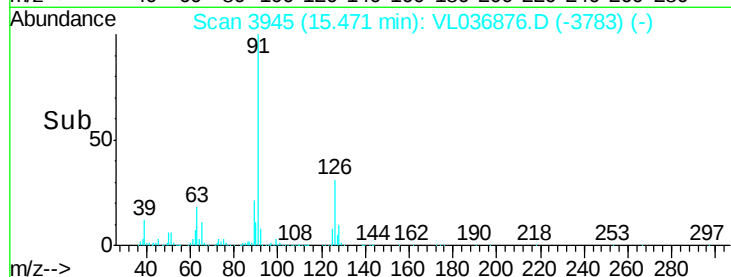
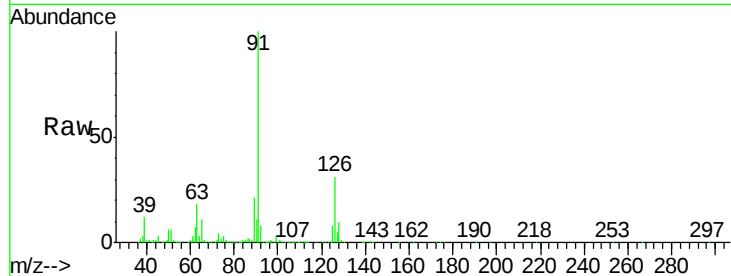
126 30.3 12.3 49.3

Manual Integrations

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4/29/2021 5:53:50 PM



#72

4-Ethyltoluene

Concen: 11.112 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tgt Ion:105 Resp: 4780053

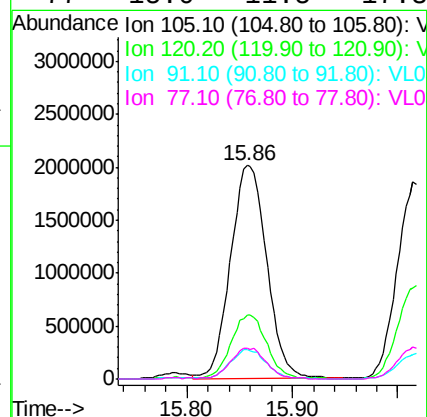
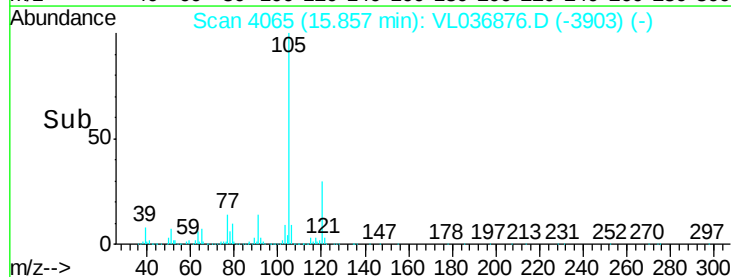
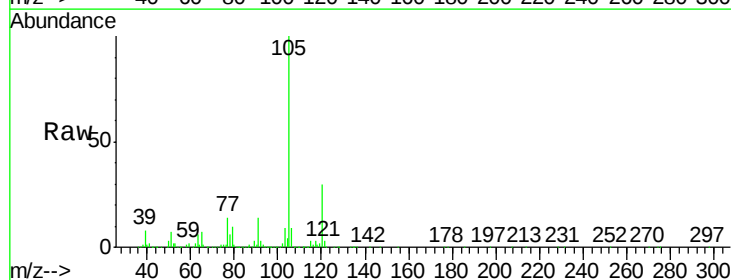
Ion Ratio Lower Upper

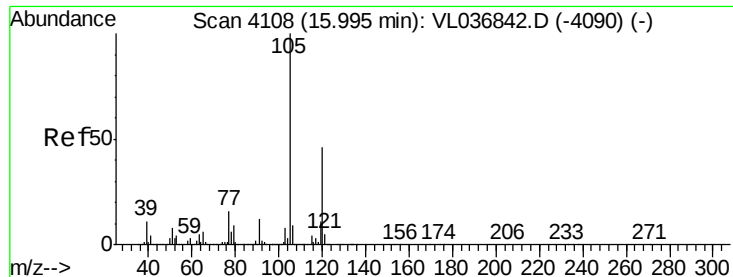
105 100

120 29.9 23.8 35.6

91 13.6 10.7 16.1

77 15.0 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 10.402 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

Tot Ion:105 Resp: 4339553

Ion Ratio Lower Upper

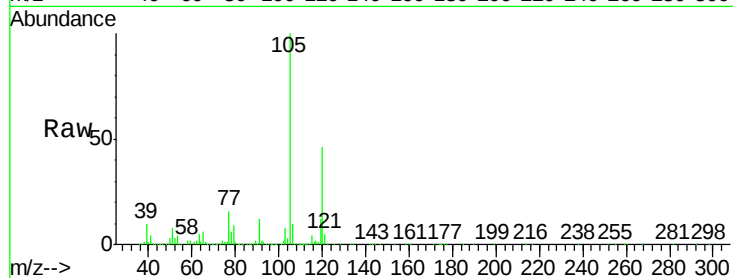
105 100

120 46.3 36.8 55.2

Manual Integrations
APPROVED

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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

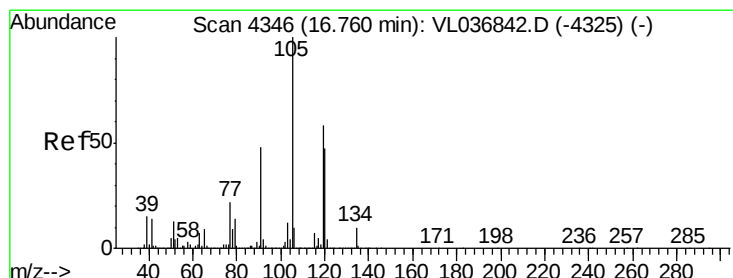
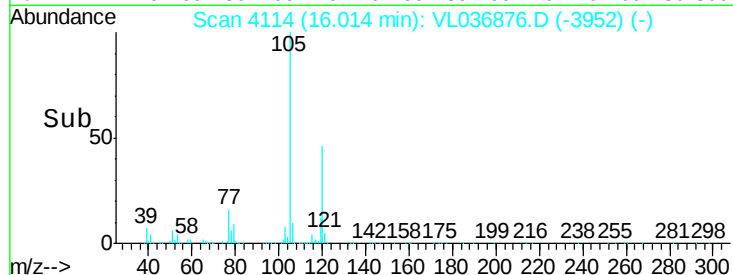
0

16.01

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.193 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tgt Ion:105 Resp: 4517001

Ion Ratio Lower Upper

105 100

120 47.7 37.6 56.4

91 49.9 39.0 58.4

77 22.2 17.4 26.0

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): V

Ion 77.10 (76.80 to 77.80): V

2500000

2000000

1500000

1000000

500000

0

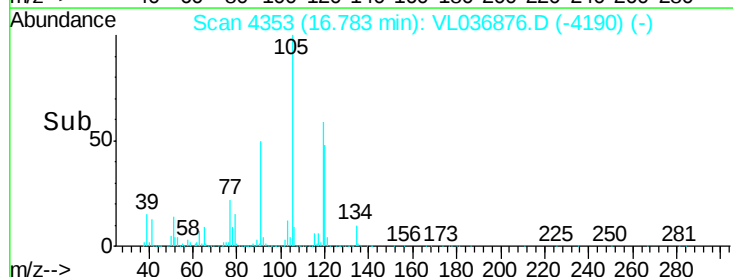
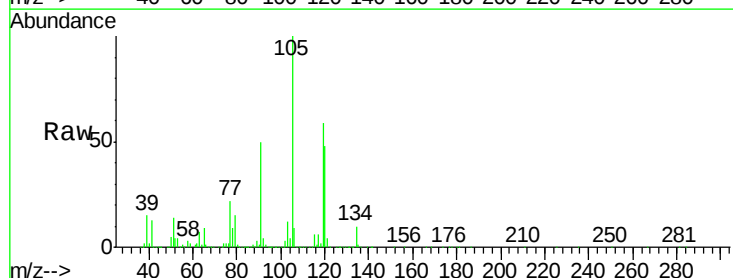
16.78

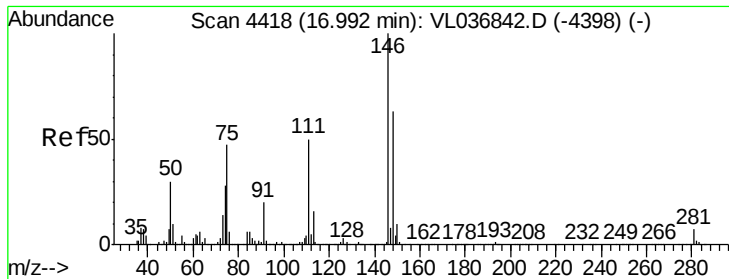
16.70

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.936 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.03 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Instrument :

MSVOA_L

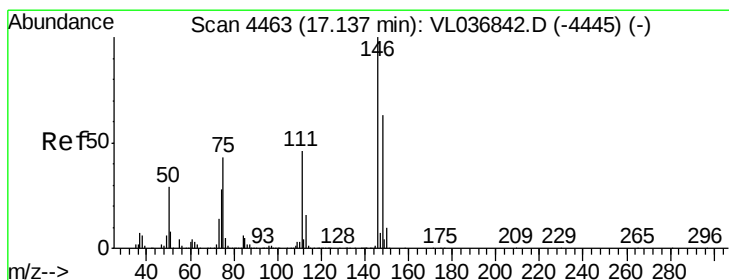
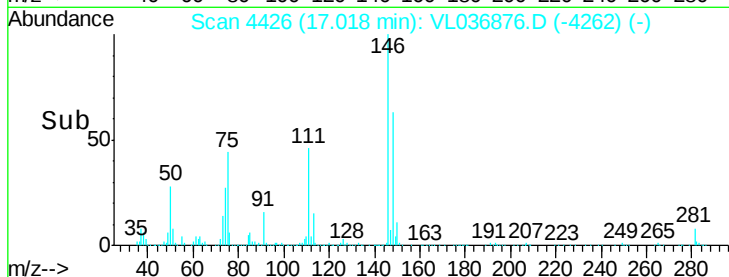
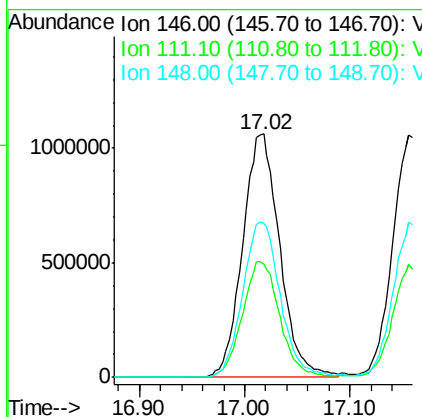
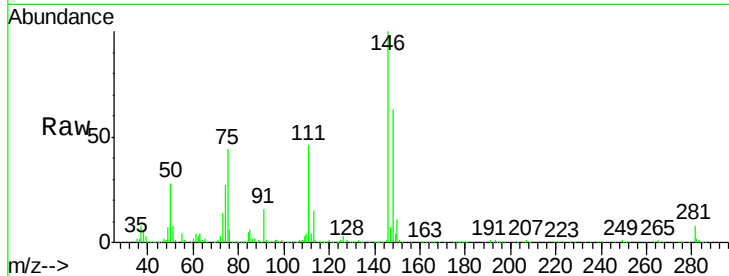
ClientSampleId :

VL0428ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.2	72.6
148	64.9	32.1	96.3

Manual Integrations
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4/29/2021 5:53:50 PM



#76

1,4-Dichlorobenzene

Concen: 9.699 ppbv

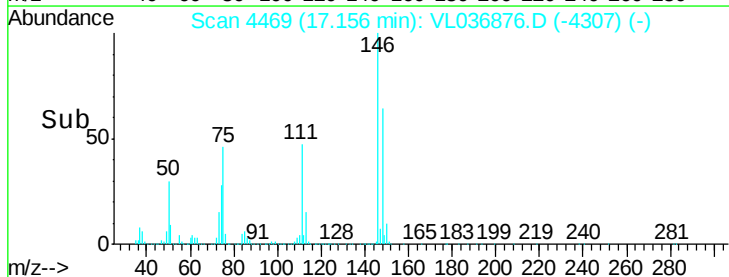
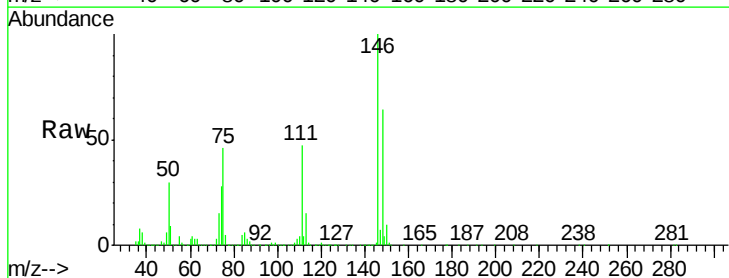
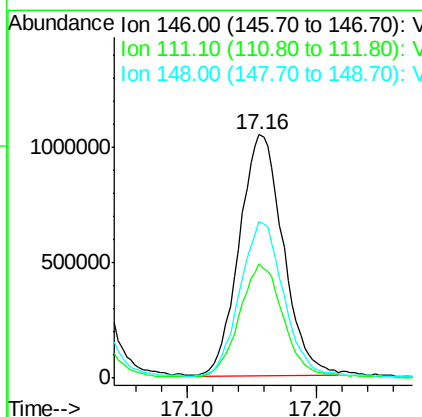
RT: 17.16 min Scan# 4469

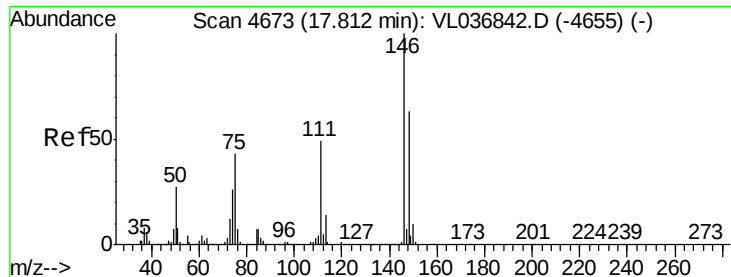
Delta R.T. 0.02 min

Lab File: VL036876.D

Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.3	72.8
148	65.2	32.4	97.0





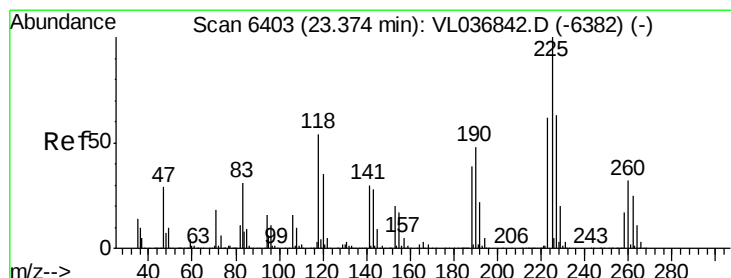
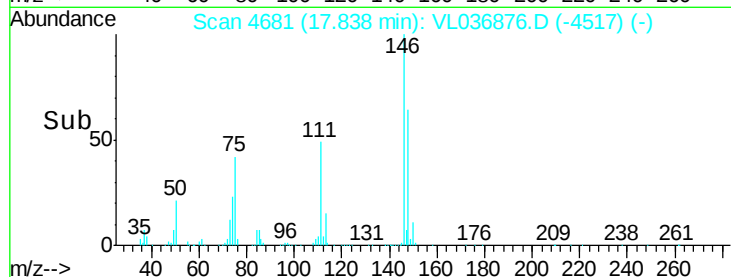
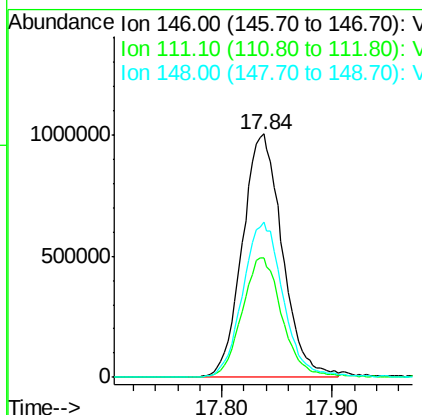
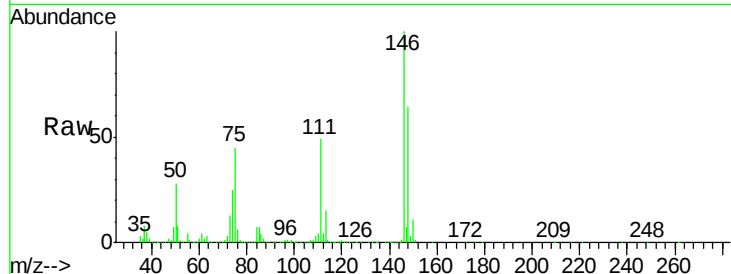
#77
 1,2-Dichlorobenzene
 Concen: 9.810 ppbv
 RT: 17.84 min Scan# 4681
 Delta R.T. 0.03 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.2	25.0	75.0
148	64.4	32.4	97.0

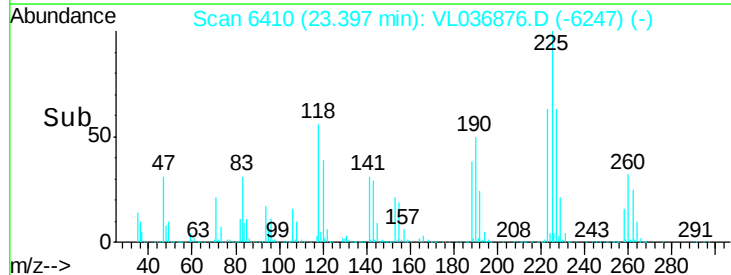
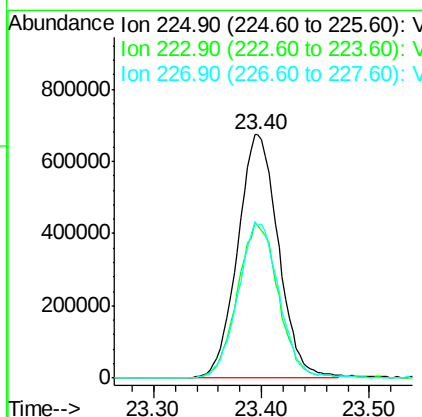
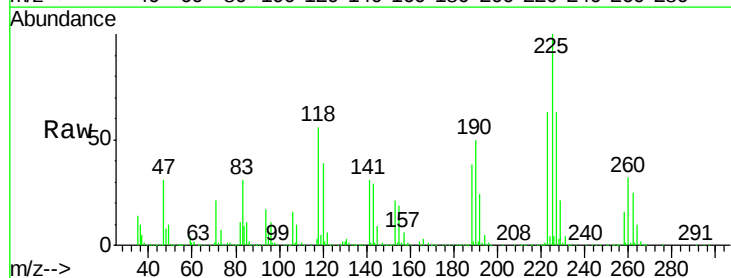
Manual Integrations
 APPROVED

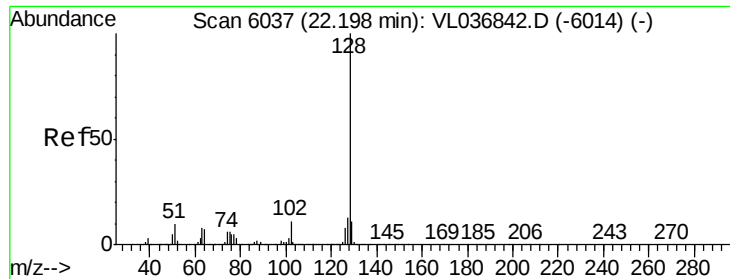
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.141 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. 0.02 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.2	76.8
227	64.7	51.8	77.6





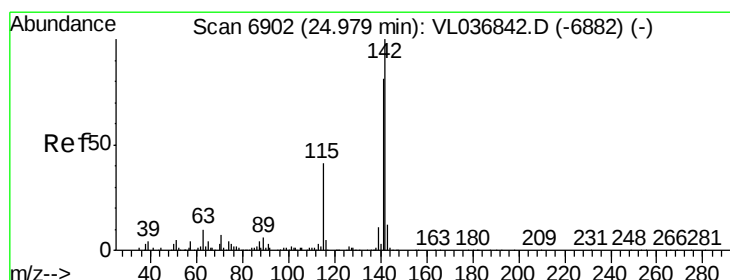
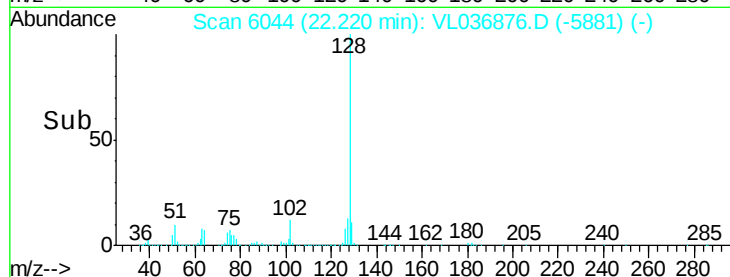
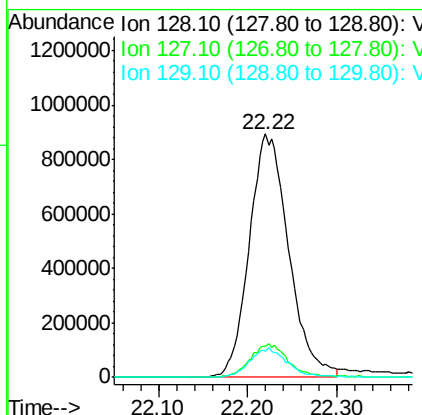
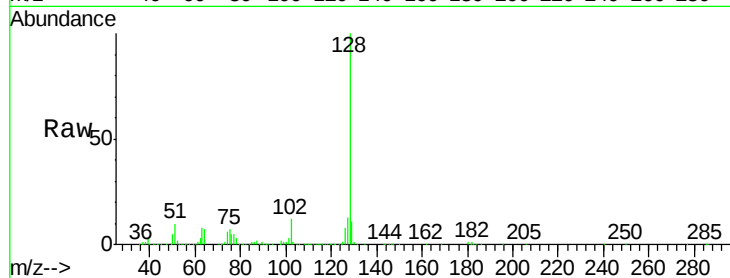
#79
Naphthalene
Concen: 11.019 ppbv m
RT: 22.22 min Scan# 6044
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.9	9.0	13.4

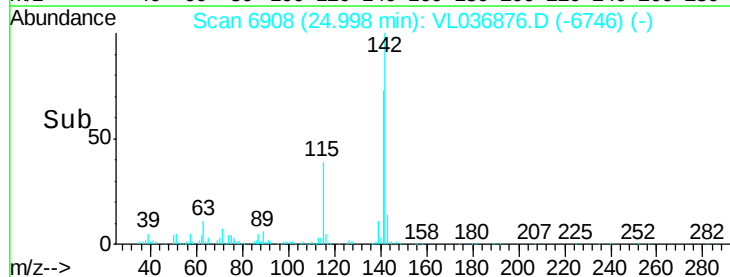
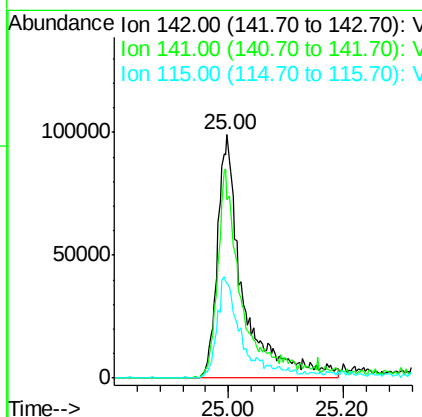
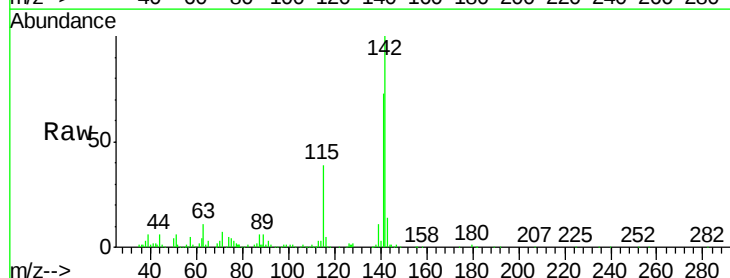
Manual Integrations
APPROVED

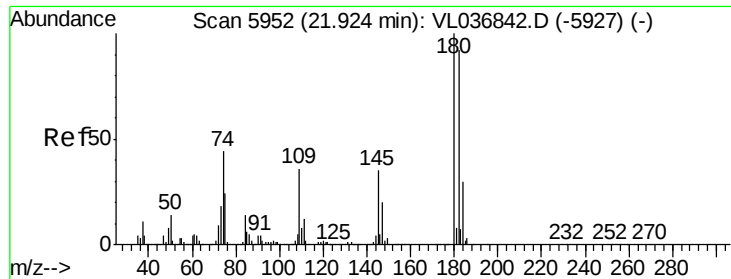
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4/29/2021 5:53:50 PM



#80
Naphthalene, 2-methyl-
Concen: 11.222 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.02 min
Lab File: VL036876.D
Acq: 28 Apr 2021 12:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.8	62.6	93.8
115	40.7	32.0	48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.847 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.03 min
 Lab File: VL036876.D
 Acq: 28 Apr 2021 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Tot Ion:	180	Resp:	1580732
Ion Ratio	Lower	Upper	
180	100		
182	103.0	80.9	121.3
184	32.2	25.3	37.9

Manual Integrations
 APPROVED

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