

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036591.D
 Acq On : 31 Mar 2021 5:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:51:51 PM

Quant Time: Mar 31 08:32:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1332797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3247314	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3002450m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2496891	10.43	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2162812	9.949	ppbv	94
3) Chlorodifluoromethane	2.98	51	2647410	10.632	ppbv	100
4) Chloromethane	3.13	50	895300	10.179	ppbv	95
5) Vinyl Chloride	3.25	62	898798	9.938	ppbv	99
6) Bromomethane	3.47	94	501134	10.064	ppbv	100
7) Chloroethane	3.55	64	333234	10.723	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	2126970	10.252	ppbv	99
9) Propene	3.00	41	818349	10.309	ppbv	98
10) Heptane	8.11	43	2152792	10.645	ppbv	99
11) Trichlorofluoromethane	3.94	101	2275369	10.271	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1481023	10.456	ppbv	99
13) Ethanol	3.60	45	82464m	8.723	ppbv	
14) Bromoethene	3.73	108	626366	10.637	ppbv	99
15) Acetone	3.84	43	1324031	10.093	ppbv	98
16) 1,3-Butadiene	3.32	39	969824	10.619	ppbv	98
17) tert-Butyl alcohol	4.29	59	1048264	9.180	ppbv	99
18) 1,1-Dichloroethene	4.28	96	654088	10.382	ppbv	96
19) Isopropyl Alcohol	3.96	45	557671	7.728	ppbv	99
20) Methylene Chloride	4.34	84	610731m	9.944	ppbv	
21) Allyl Chloride	4.40	41	1074344	10.274	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	612014	10.478	ppbv	92
23) Vinyl Acetate	5.07	43	2392978	10.665	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1704062	10.419	ppbv	98
25) Ethyl Acetate	5.67	43	3155142	10.117	ppbv	100
26) Hexane	5.68	57	1526709	10.549	ppbv	97
27) Carbon Disulfide	4.54	76	1596328	11.197	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1690856	9.907	ppbv	98
29) Chloroform	5.74	83	2380497	10.285	ppbv	97
30) Cyclohexane	7.12	84	1267073	10.795	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1460922	10.437	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2353881	10.091	ppbv	98
34) 2-Butanone	5.24	43	1489856	9.399	ppbv	99
35) Carbon Tetrachloride	7.01	117	2470399	9.905	ppbv	97
36) Benzene	6.88	78	3115226	10.402	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1779392	10.095	ppbv	100
38) Trichloroethene	7.83	130	1119945	9.609	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1236153	10.175	ppbv	99
40) 1,4-Dioxane	7.83	88	211366	7.475	ppbv #	19
41) Tetrahydrofuran	6.04	42	656329	8.980	ppbv	98
42) Bromodichloromethane	7.78	83	2556881	10.664	ppbv	98
43) Methyl Methacrylate	8.01	69	1180510	11.739	ppbv	99

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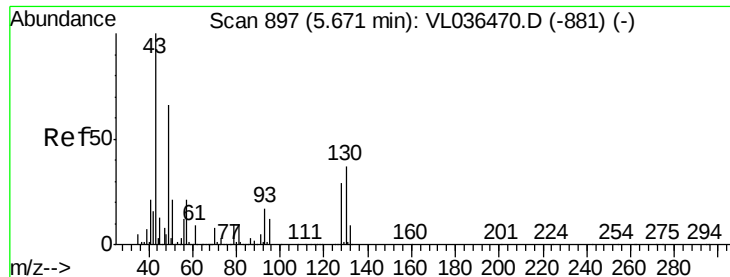
MMDadoda
 4/2/2021 6:51:51 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	5269800	9.998	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1035924	9.021	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1363711	9.290	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1259162	10.233	ppbv	97
48) Dibromochloromethane	10.30	129	2031996	10.833	ppbv	99
49) Bromoform	13.03	173	1659764	10.981	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2303303	10.042	ppbv	99
51) 2-Hexanone	10.13	43	1252268	10.819	ppbv #	98
52) Tetrachloroethene	11.21	164	1044836	9.474	ppbv	96
53) Toluene	9.80	91	3453213	10.827	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1761745	10.138	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1443960	10.633	ppbv	96
57) Chlorobenzene	12.14	112	2501993	9.794	ppbv	98
58) Ethyl Benzene	12.70	91	4627596	10.594	ppbv	99
59) m/p-Xylene	12.99	91	7853823m	20.614	ppbv	
60) o-Xylene	13.69	91	3692554	10.024	ppbv	100
61) Styrene	13.52	104	1994546	10.762	ppbv	99
62) Isopropylbenzene	14.66	105	5101032	10.282	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2660668	9.468	ppbv	100
64) n-propylbenzene	15.55	120	1348032	11.114	ppbv	100
65) tert-Butylbenzene	16.74	119	4428126	10.294	ppbv	99
66) Benzyl Chloride	16.98	91	503175	10.582	ppbv	99
67) sec-Butylbenzene	17.29	105	6243091	10.281	ppbv	100
69) p-Isopropyltoluene	17.65	119	5092647	10.740	ppbv	100
70) n-Butylbenzene	18.54	91	5330205	10.841	ppbv	100
71) 2-Chlorotoluene	15.45	91	3961836	10.658	ppbv	100
72) 4-Ethyltoluene	15.83	105	4384906	10.863	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3912993	10.386	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4070267	10.095	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2325007	10.245	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2271816	10.082	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2254794	10.570	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1727475	9.042	ppbv	99
79) Naphthalene	22.19	128	2586453	10.994	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	323623	6.976	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1599227	11.010	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1332797

Ion Ratio Lower Upper

49 100

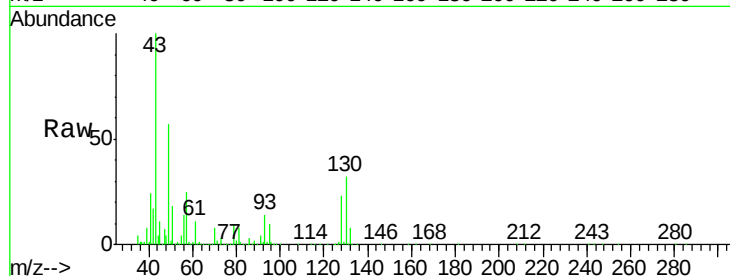
128 47.6 23.5 70.6

130 57.5 29.1 87.4

Manual Integrations
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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

800000

600000

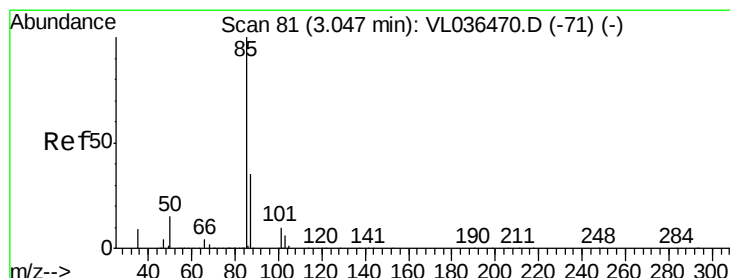
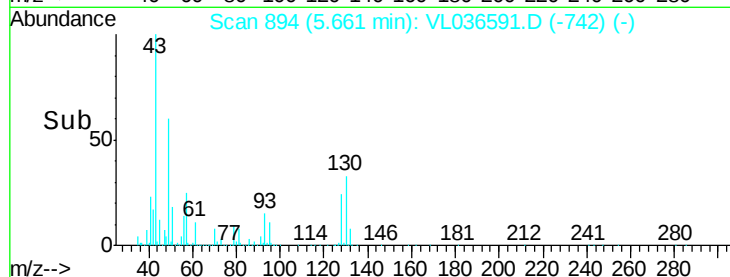
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 9.949 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036591.D

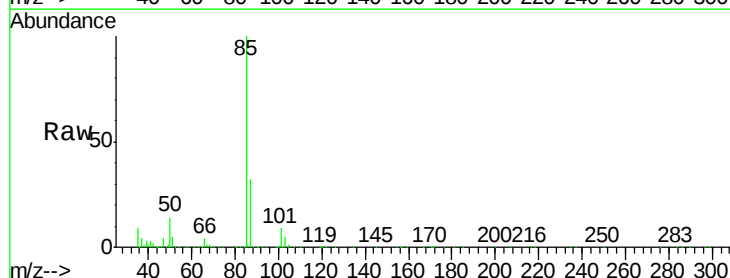
Acq: 31 Mar 2021 5:49

Tgt Ion: 85 Resp: 2162812

Ion Ratio Lower Upper

85 100

87 31.5 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

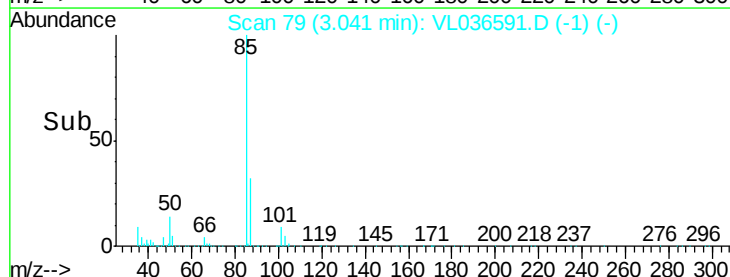
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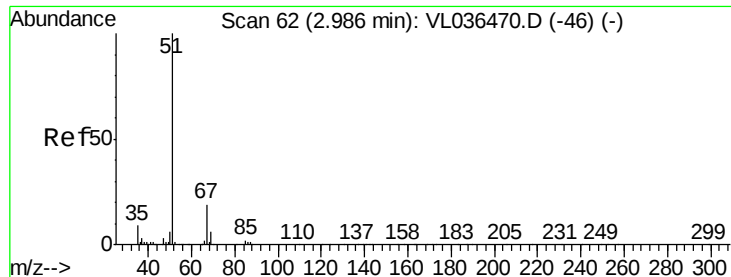
500000

0

3.00 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 10.632 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2647410

Ion Ratio Lower Upper

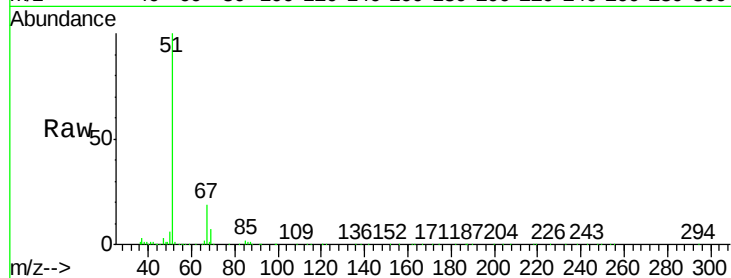
51 100

67 18.3 14.7 22.1

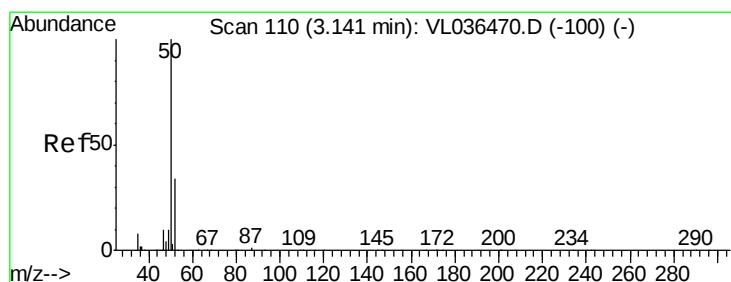
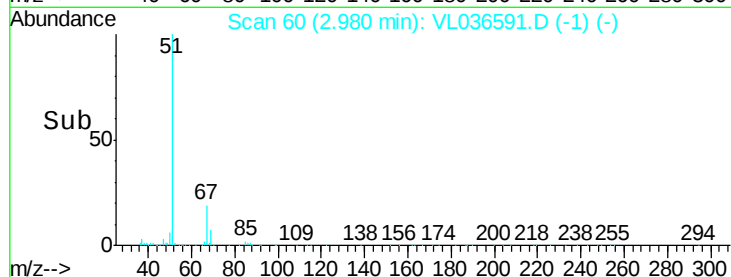
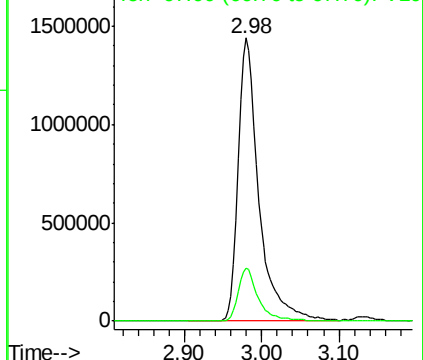
Manual Integrations
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Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.179 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036591.D

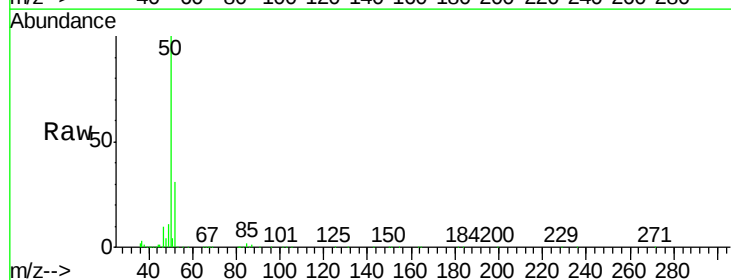
Acq: 31 Mar 2021 5:49

Tgt Ion: 50 Resp: 895300

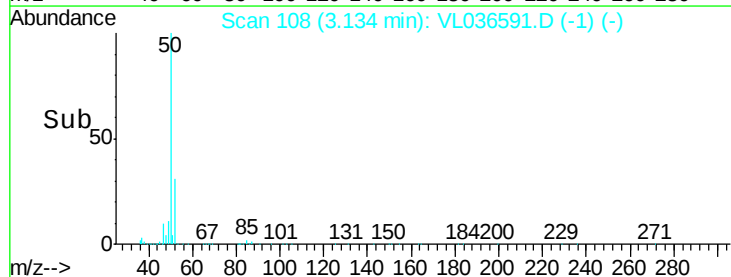
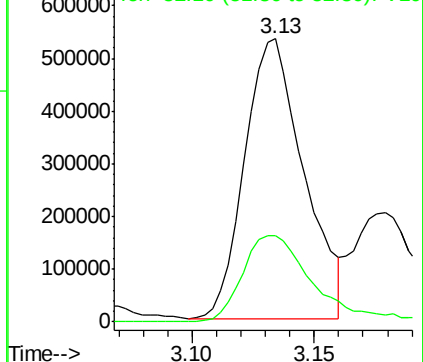
Ion Ratio Lower Upper

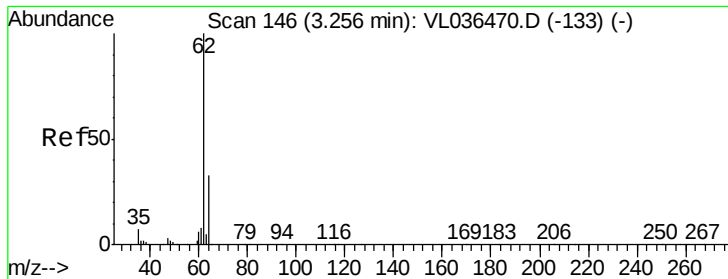
50 100

52 30.9 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.938 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 898798

Ion Ratio Lower Upper

62 100

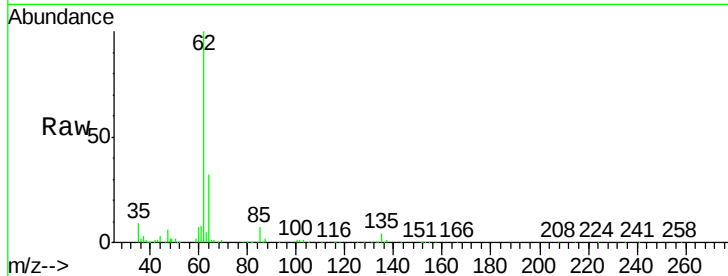
64 32.3 26.4 39.6

Manual Integrations

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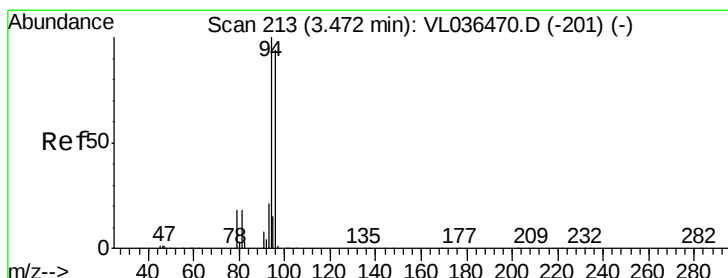
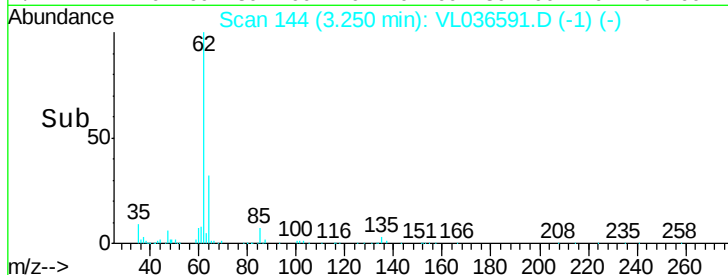
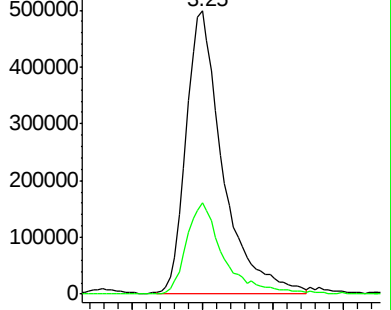
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.064 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036591.D

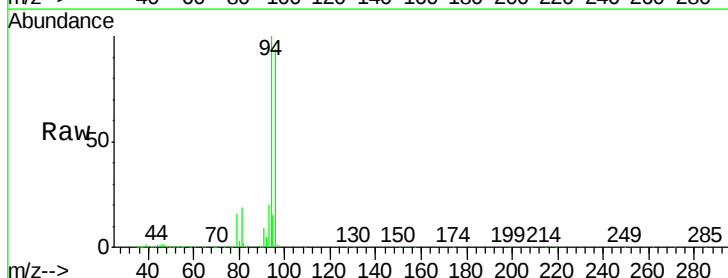
Acq: 31 Mar 2021 5:49

Tgt Ion: 94 Resp: 501134

Ion Ratio Lower Upper

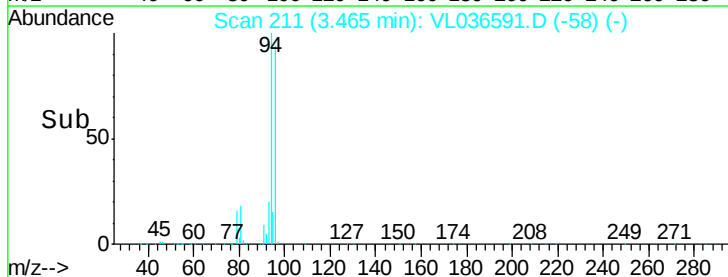
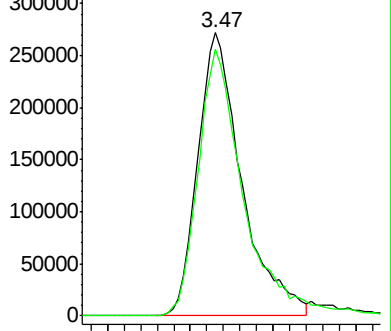
94 100

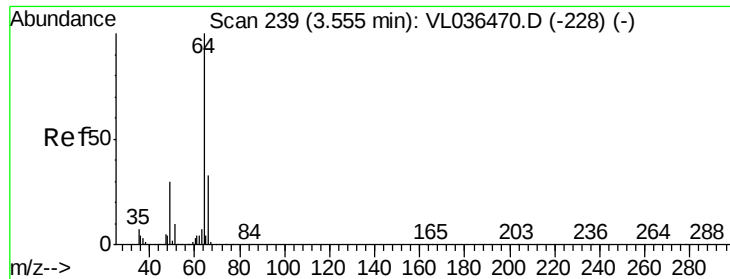
96 94.0 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.723 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 333234

Ion Ratio Lower Upper

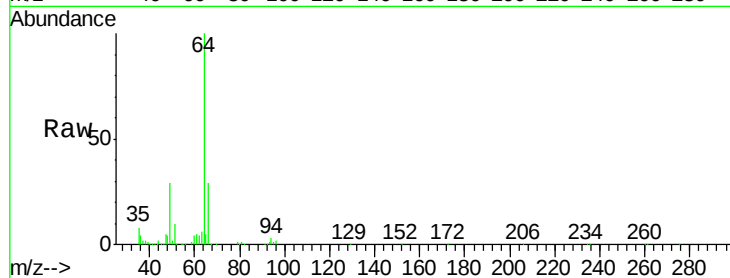
64 100

66 29.2 26.2 39.2

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

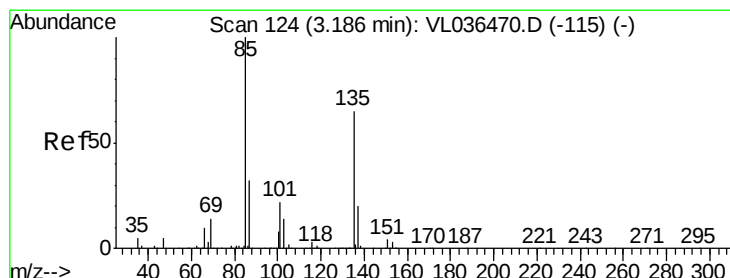
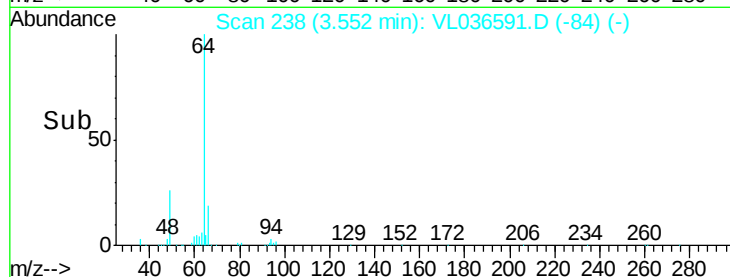
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.252 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036591.D

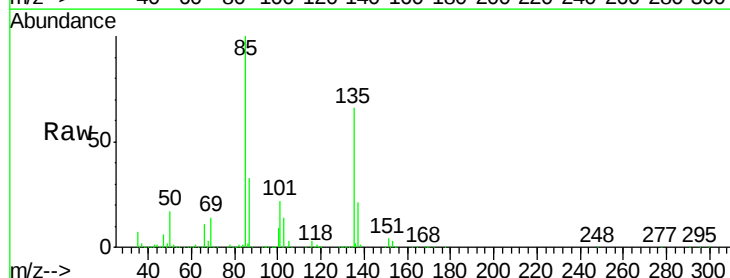
Acq: 31 Mar 2021 5:49

Tgt Ion: 85 Resp: 2126970

Ion Ratio Lower Upper

85 100

135 67.3 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

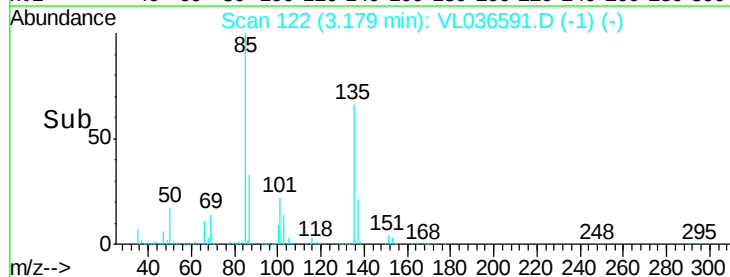
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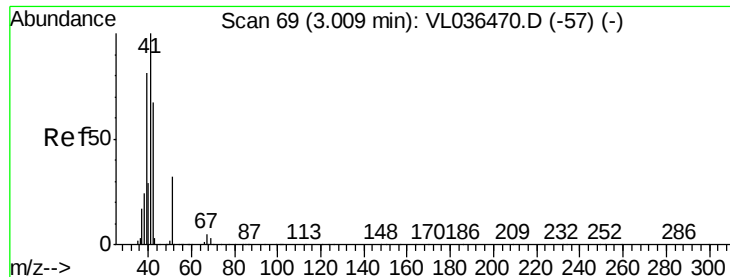
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Time-->





#9

Propene

Concen: 10.309 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 818349

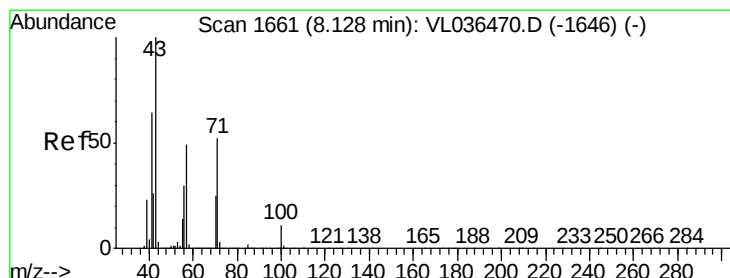
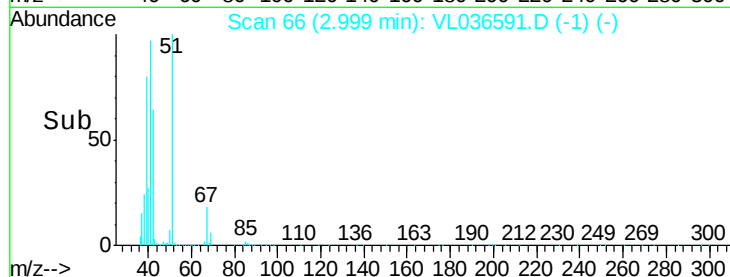
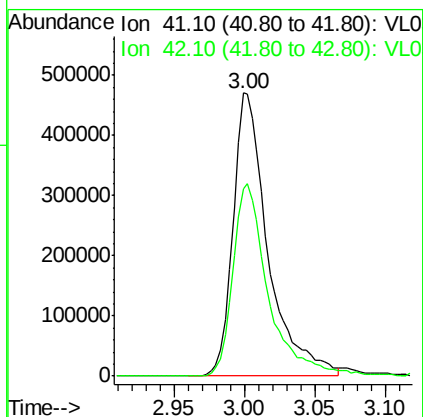
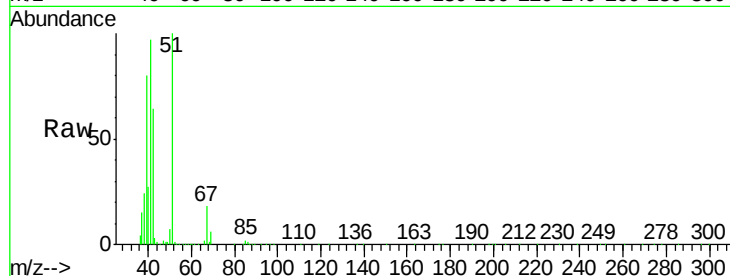
Ion Ratio Lower Upper

41 100

42 69.3 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 10.645 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL036591.D

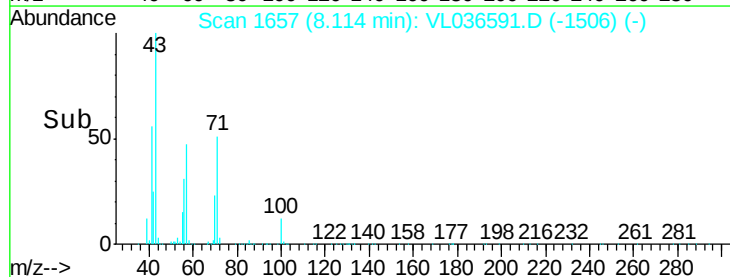
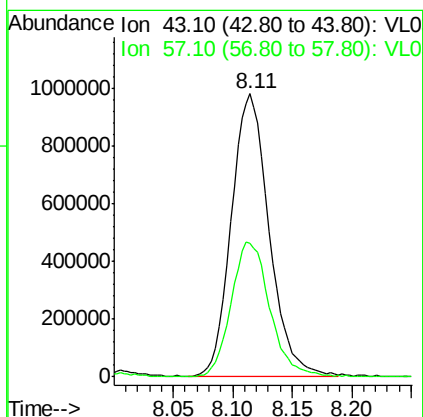
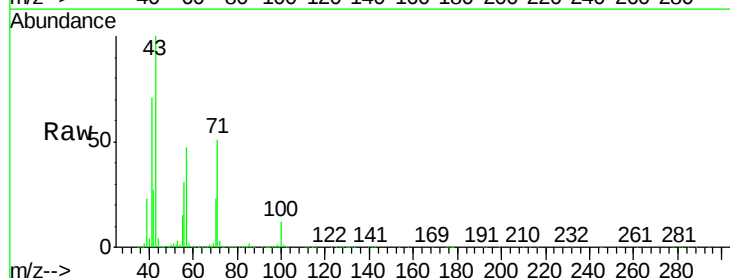
Acq: 31 Mar 2021 5:49

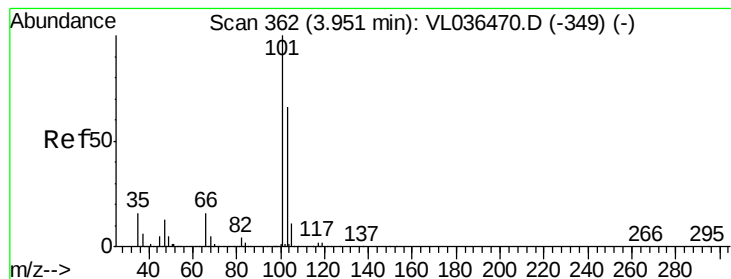
Tgt Ion: 43 Resp: 2152792

Ion Ratio Lower Upper

43 100

57 49.2 39.0 58.6





#11

Trichlorofluoromethane

Concen: 10.271 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 2275369

Ion Ratio Lower Upper

101 100

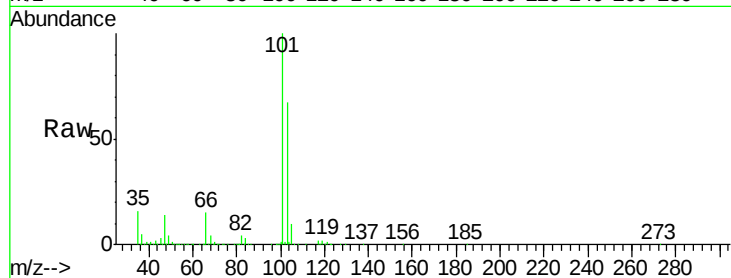
103 66.8 52.5 78.7

Manual Integrations

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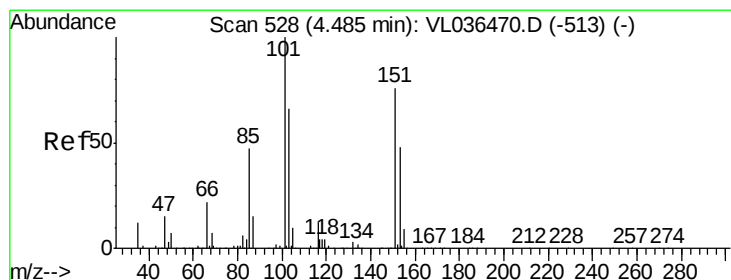
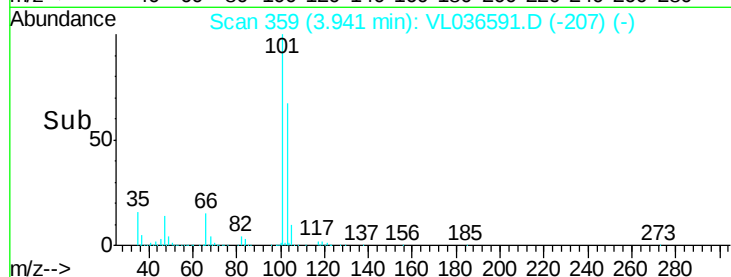
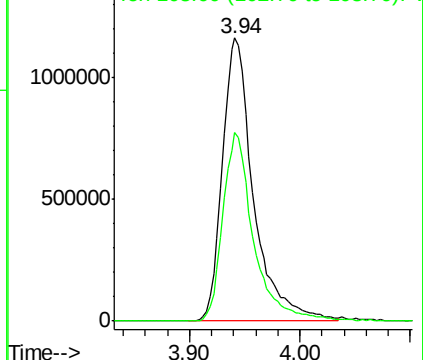
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.456 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL036591.D

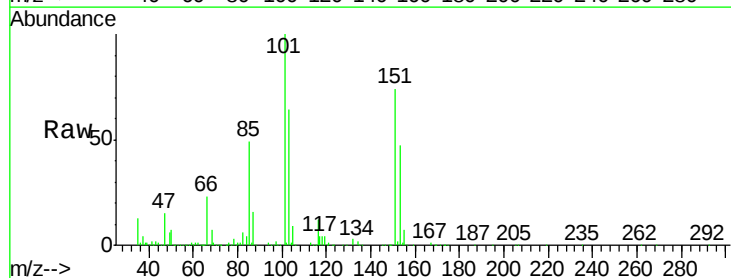
Acq: 31 Mar 2021 5:49

Tgt Ion:101 Resp: 1481023

Ion Ratio Lower Upper

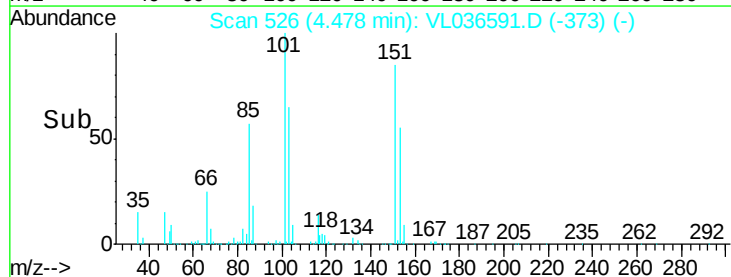
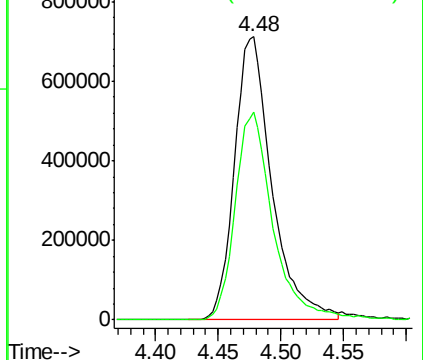
101 100

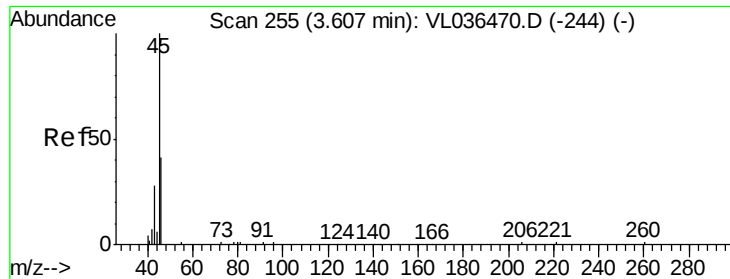
151 74.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





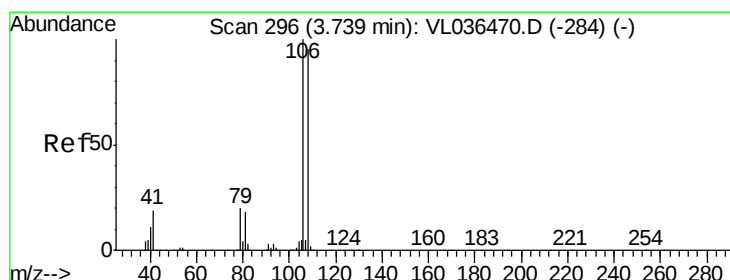
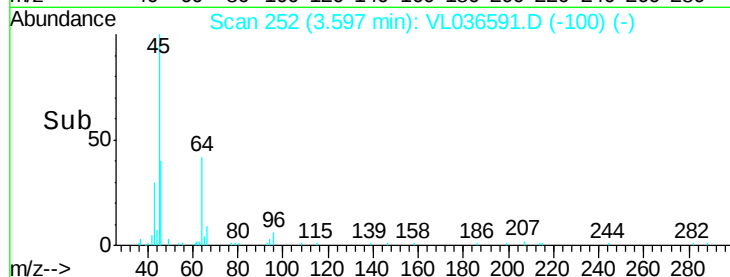
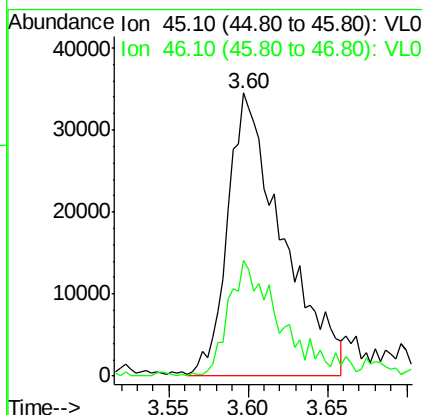
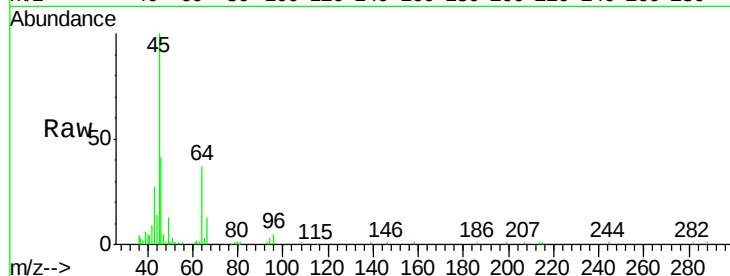
#13
Ethanol
Concen: 8.723 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	Lower	Upper
Resp	82464				
Ion	100	37.1			
Ratio			16.6		66.2

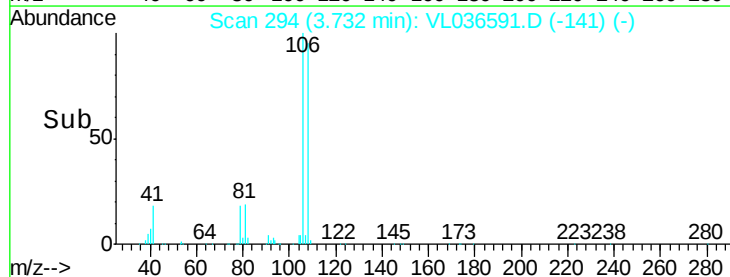
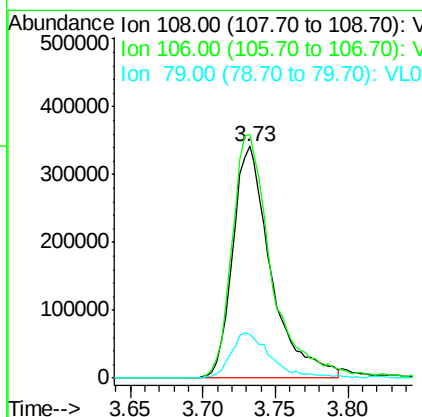
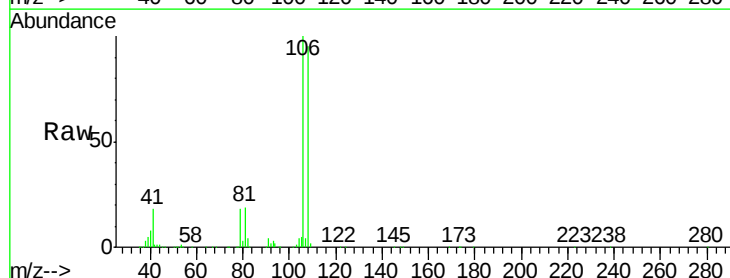
Manual Integrations
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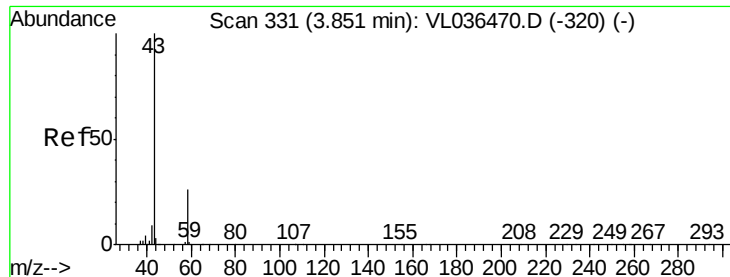
MMDadoda
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#14
Bromoethene
Concen: 10.637 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion	108	106	79	Ratio	Lower	Upper
Resp	626366					
Ion	100	110.4	20.8			
Ratio				89.0		133.6
Lower				16.6		25.0





#15

Acetone

Concen: 10.093 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1324031

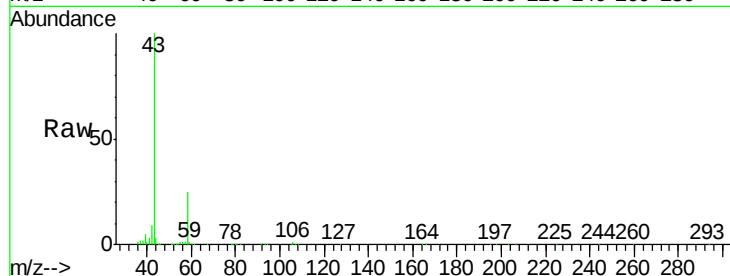
Ion Ratio Lower Upper

43 100

58 27.7 21.2 31.8

Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

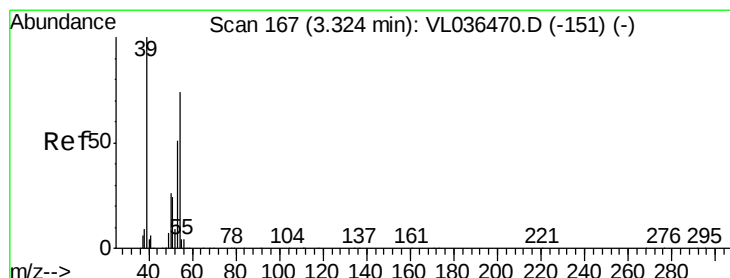
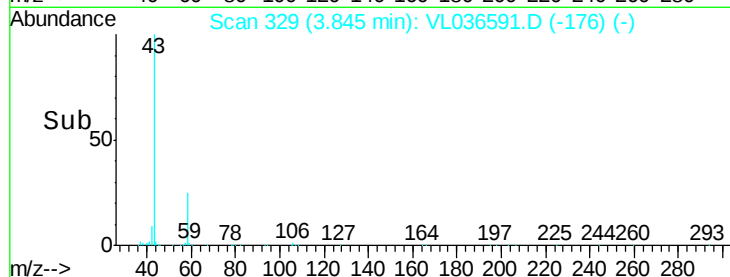
400000

200000

0

3.80 3.85 3.90

Time-->



#16

1,3-Butadiene

Concen: 10.619 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036591.D

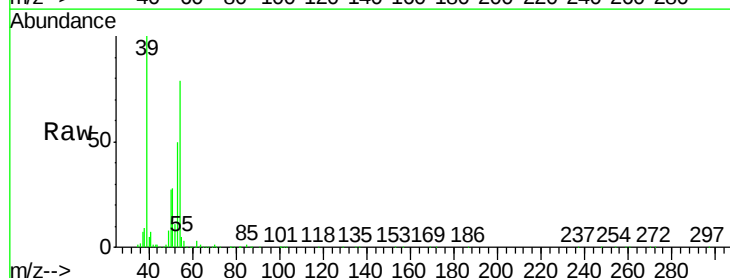
Acq: 31 Mar 2021 5:49

Tgt Ion: 39 Resp: 969824

Ion Ratio Lower Upper

39 100

54 71.9 58.8 88.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

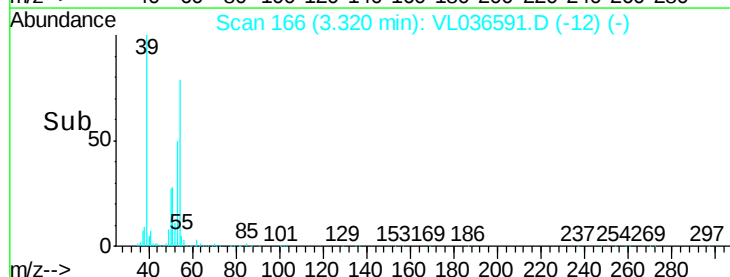
200000

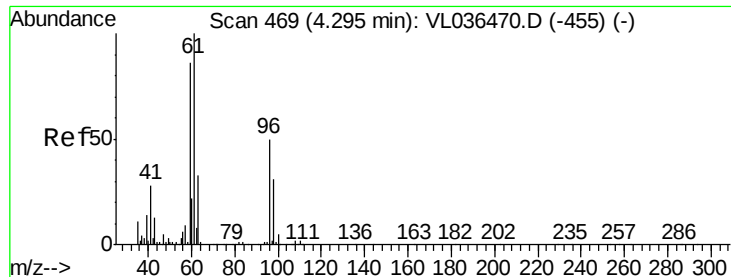
100000

0

3.25 3.30 3.35 3.40

Time-->





#17

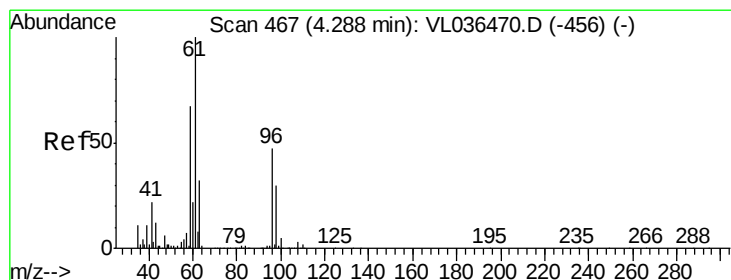
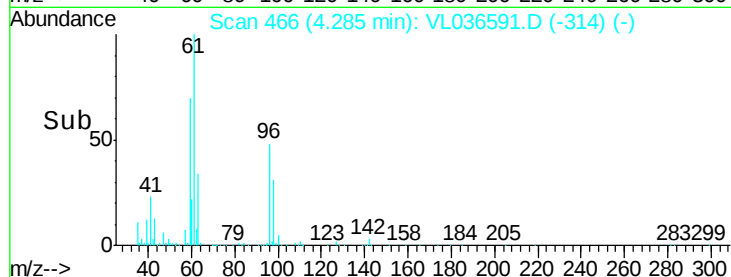
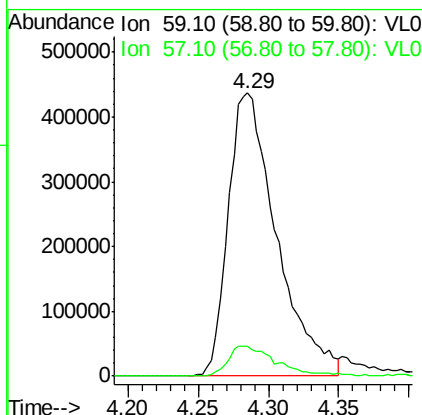
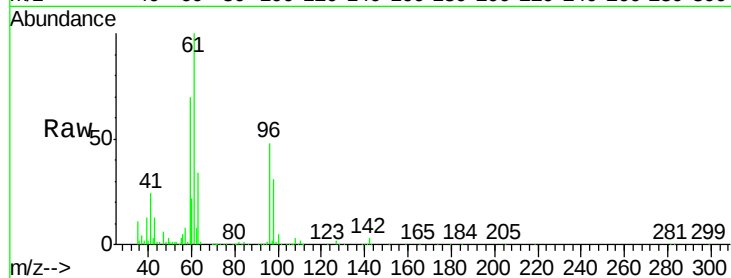
tert-Butyl alcohol
Concen: 9.180 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010

Tot Ion: 59 Resp: 1048264
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

Manual Integrations
APPROVED

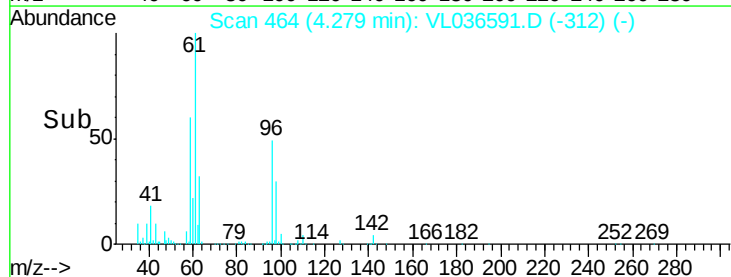
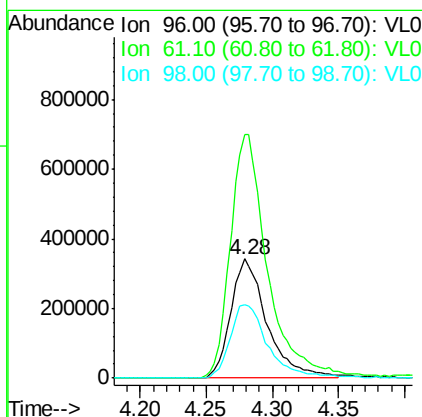
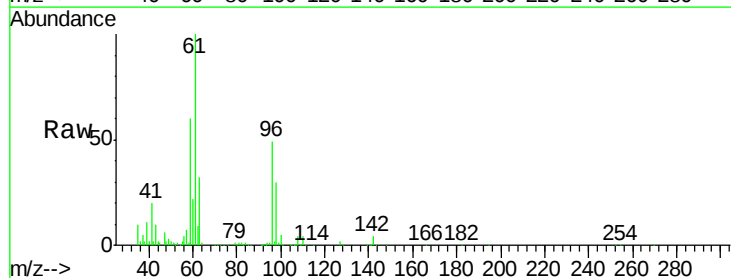
MMDadoda
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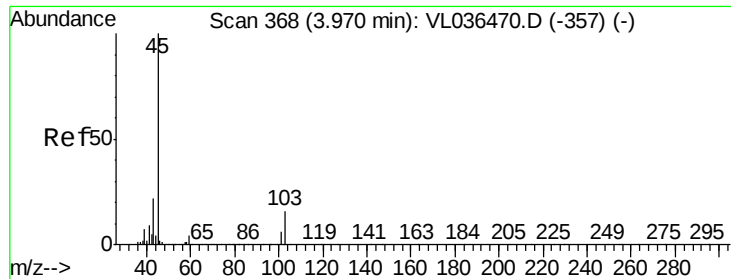


#18

1,1-Dichloroethene
Concen: 10.382 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 96 Resp: 654088
Ion Ratio Lower Upper
96 100
61 204.5 168.6 253.0
98 61.7 50.8 76.2





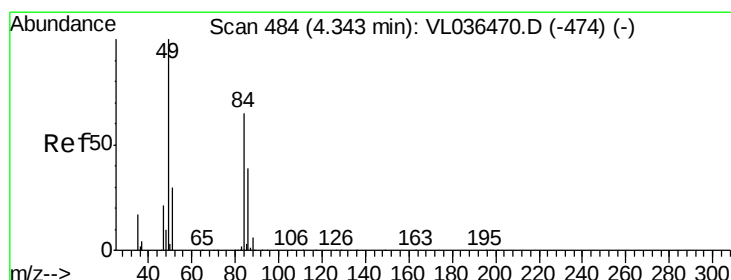
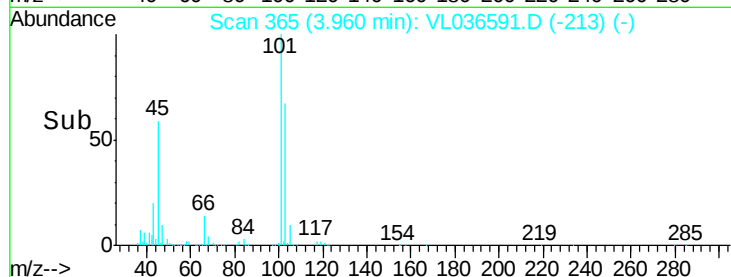
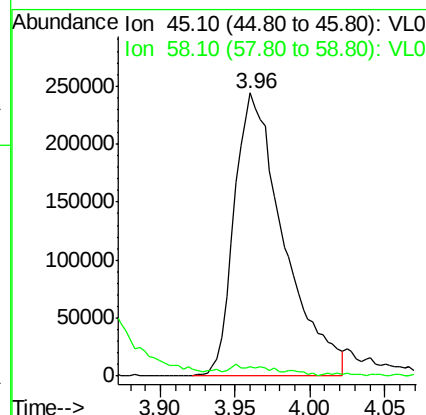
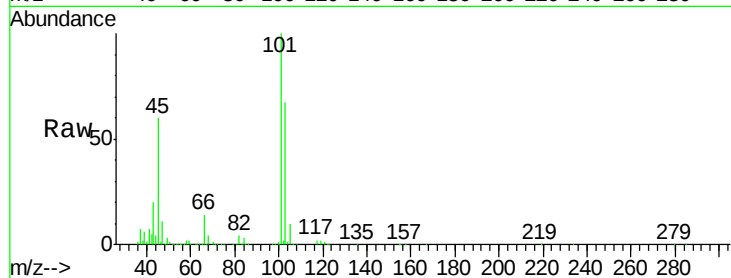
#19
Isopropyl Alcohol
Concen: 7.728 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010

Tot Ion: 45 Resp: 557671
Ion Ratio Lower Upper
45 100
58 3.9 2.9 4.3

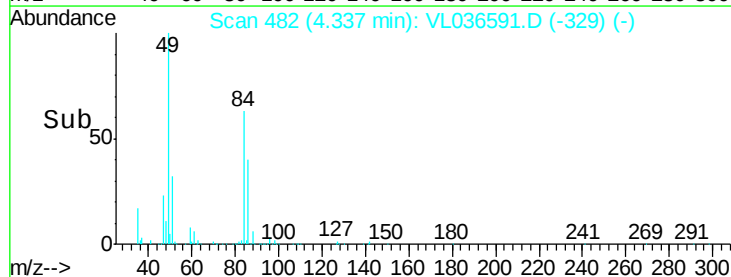
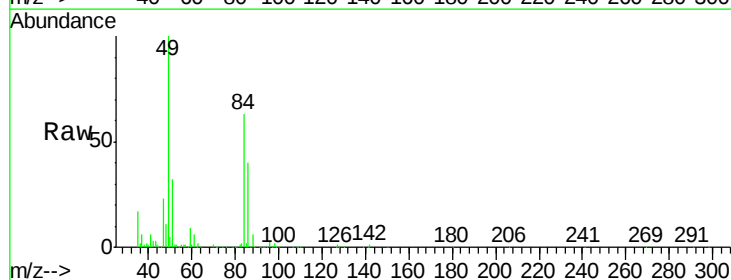
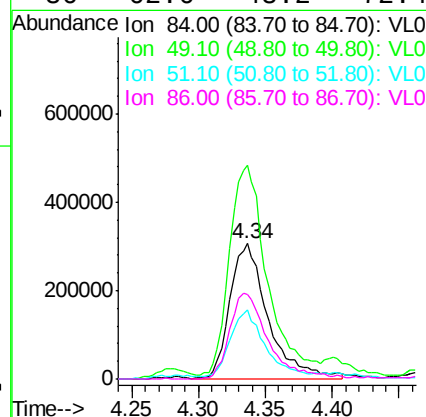
Manual Integrations
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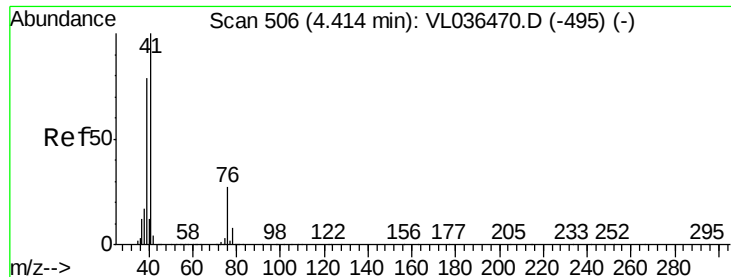
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#20
Methylene Chloride
Concen: 9.944 ppbv m
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 84 Resp: 610731
Ion Ratio Lower Upper
84 100
49 157.8 122.9 184.3
51 51.1 36.9 55.3
86 62.6 48.2 72.4





#21

Allvl Chloride

Concen: 10.274 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

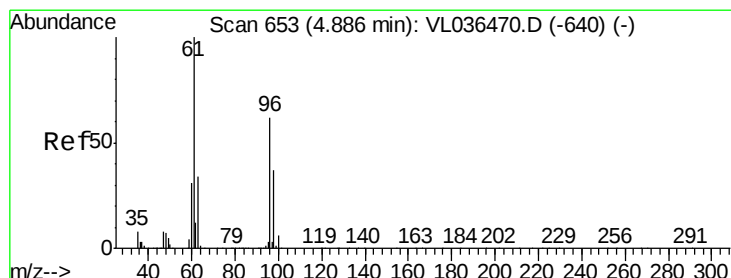
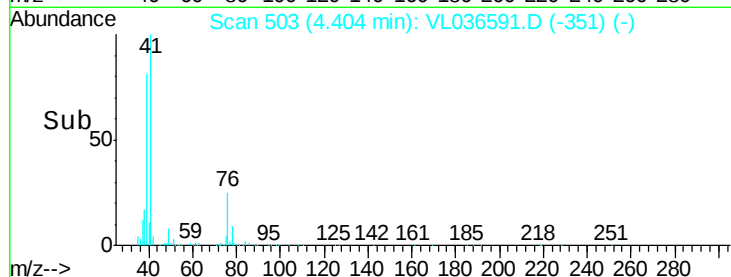
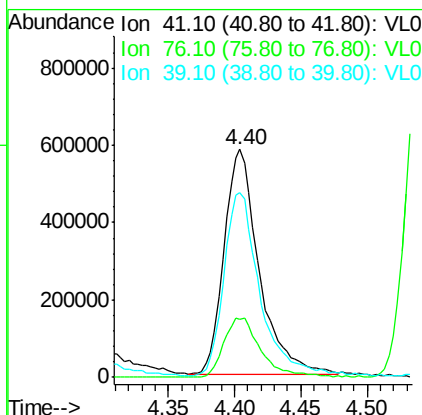
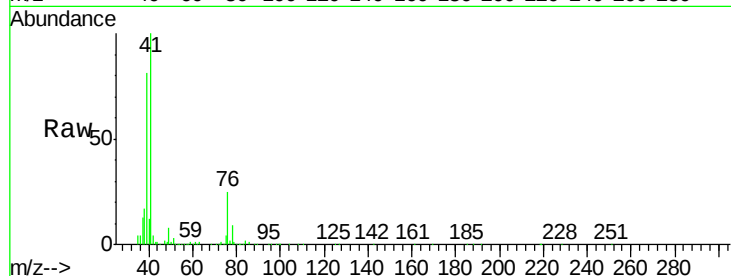
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	1074344
Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.9	34.3
39	84.0	67.3	100.9

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.478 ppbv

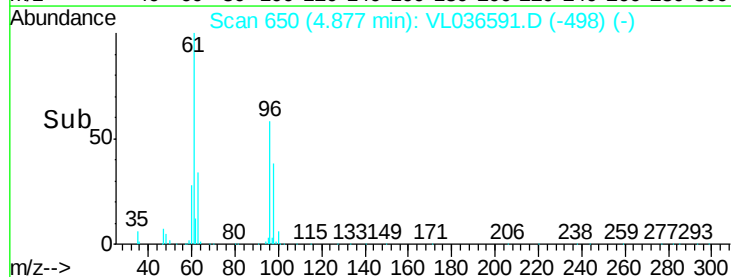
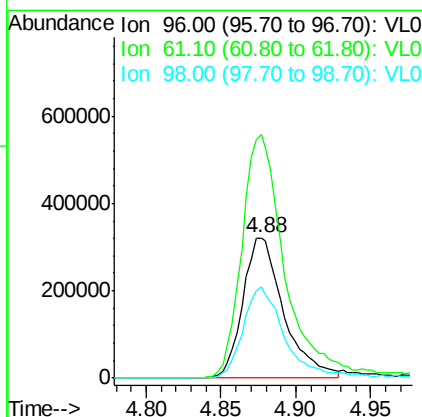
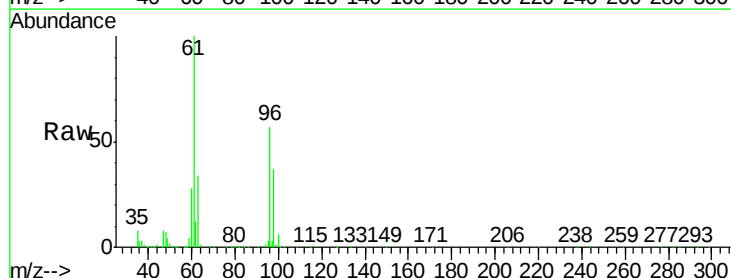
RT: 4.88 min Scan# 650

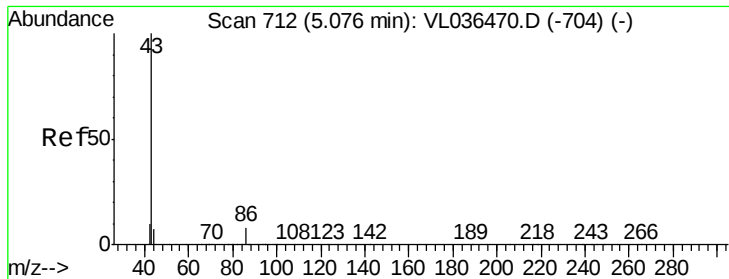
Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion:	96	Resp:	612014
Ion	Ratio	Lower	Upper
96	100		
61	173.9	129.4	194.0
98	65.2	48.2	72.4





#23

Vinyl Acetate

Concen: 10.665 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tot Ion: 43 Resp: 2392978

Ion Ratio Lower Upper

43 100

86 6.9 5.4 8.0

42 9.7 8.5 12.7

44 5.8 4.6 7.0

Instrument :

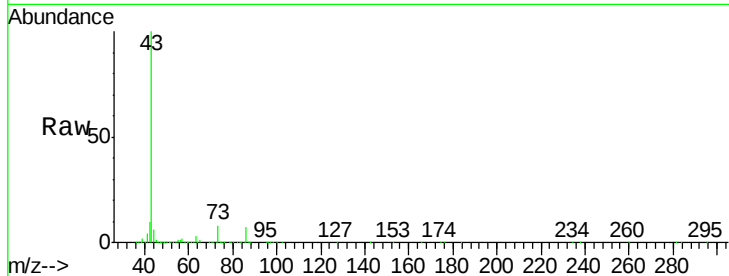
MSVOA_L

ClientSampleId :

VSTDCCC010

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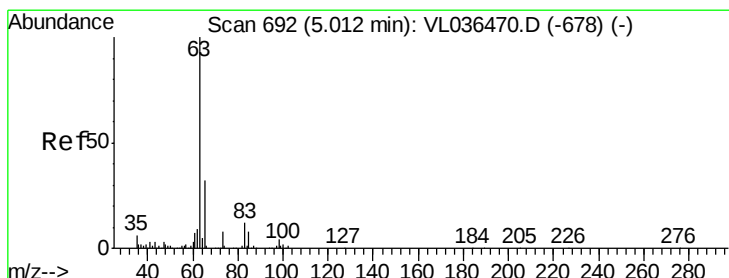
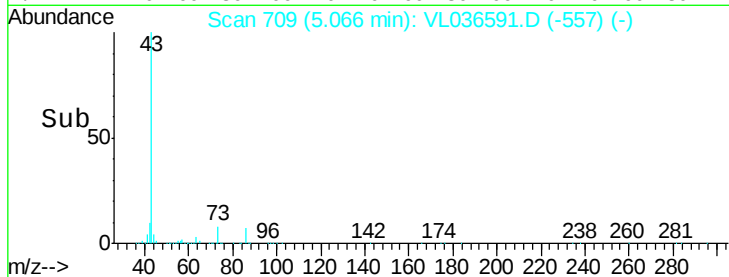
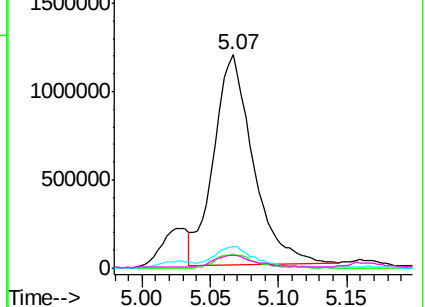


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.419 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

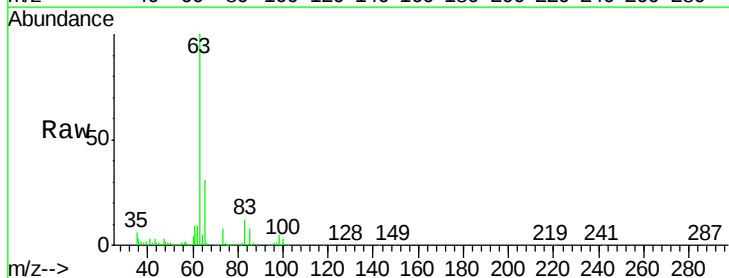
Tgt Ion: 63 Resp: 1704062

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.2

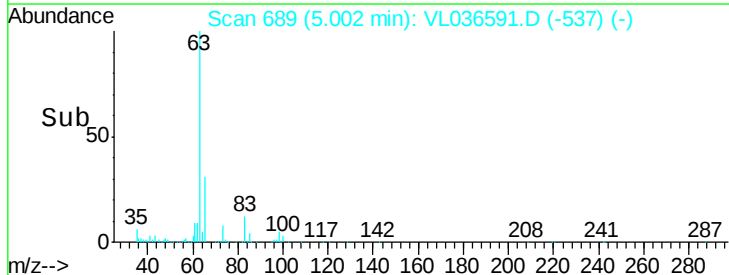
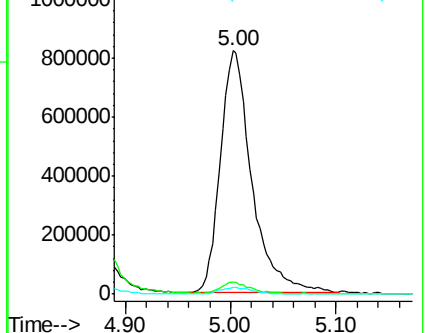
100 2.6 0.9 2.8

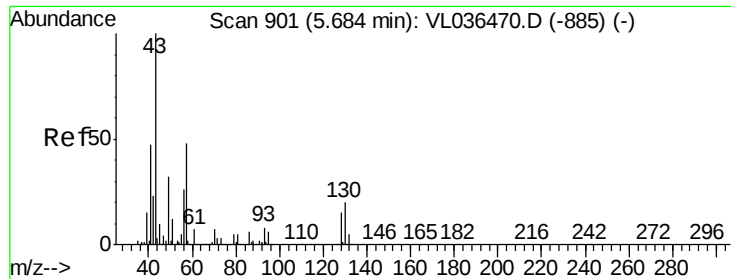


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.117 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 3155142

Ion Ratio Lower Upper

43 100

45 9.6 7.9 11.9

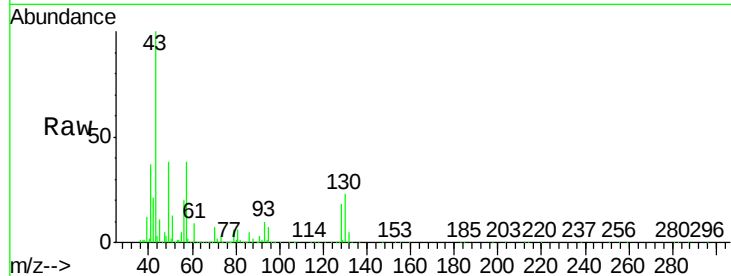
61 9.2 7.4 11.2

70 6.3 5.1 7.7

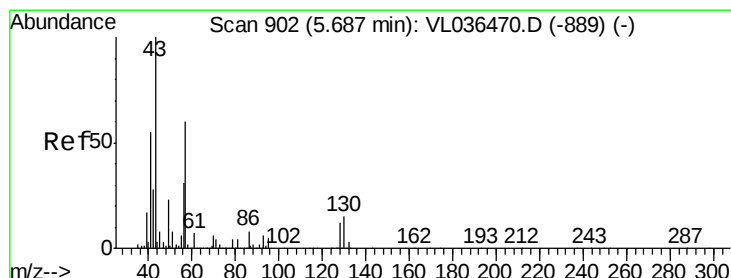
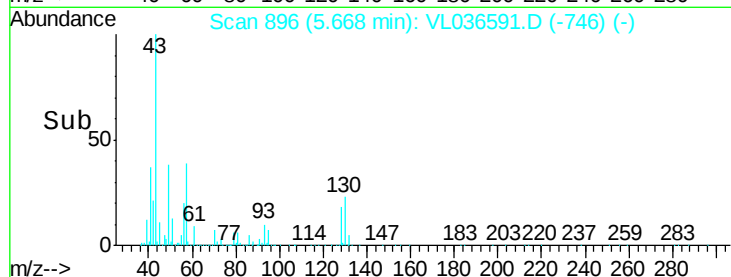
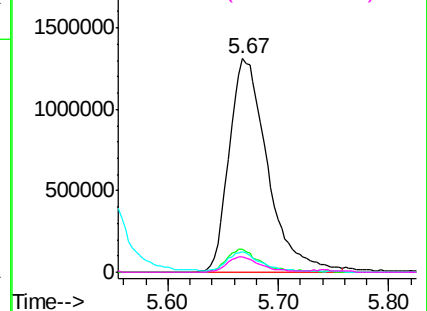
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.549 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 57 Resp: 1526709

Ion Ratio Lower Upper

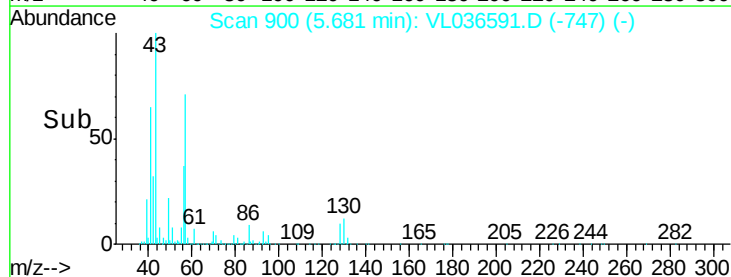
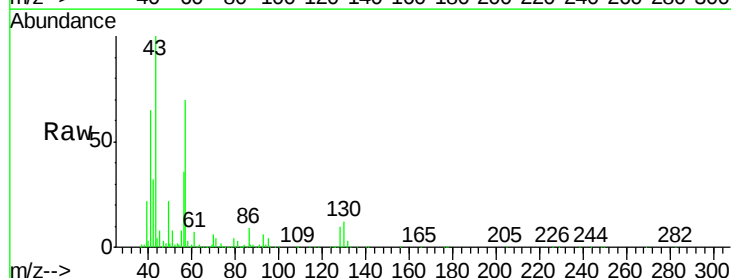
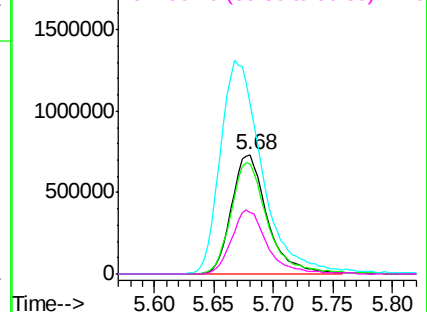
57 100

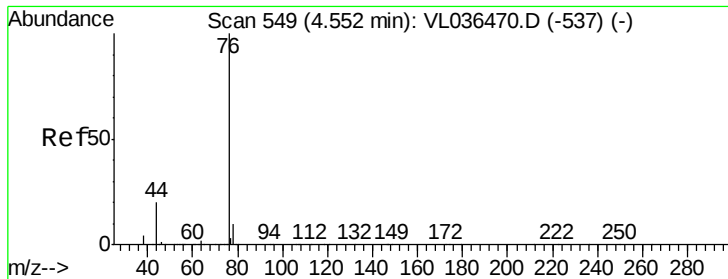
41 96.8 77.2 115.8

43 210.4 173.8 260.6

56 54.1 43.8 65.6

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: 11.197 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1596328

Ion Ratio Lower Upper

76 100

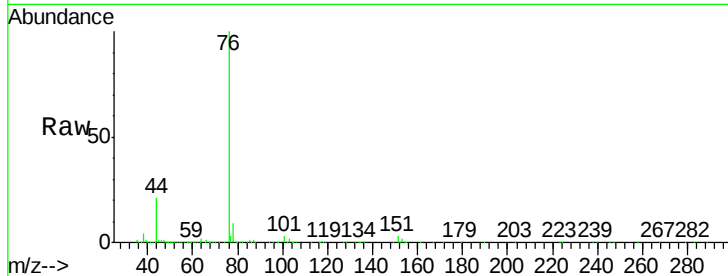
44 21.8 17.5 26.3

78 9.9 8.6 13.0

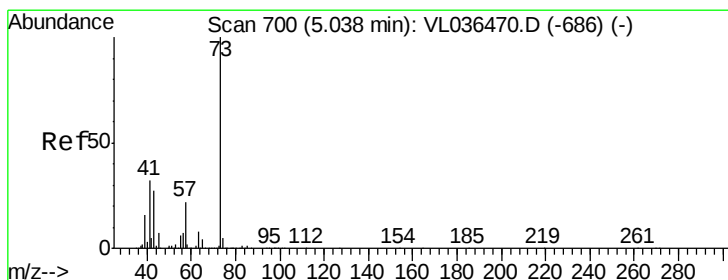
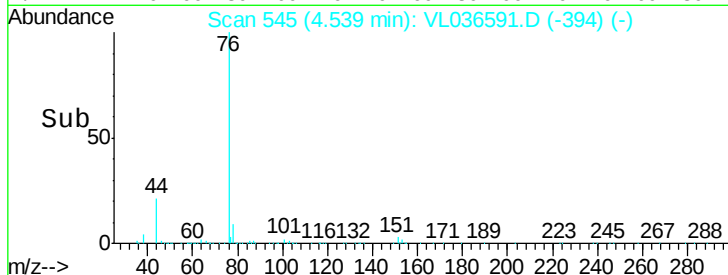
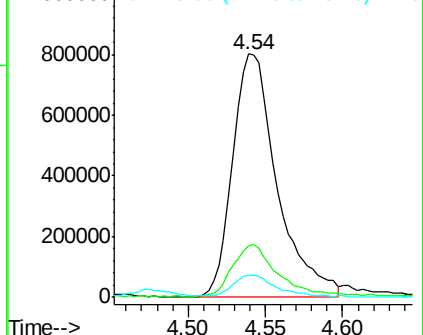
Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.907 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036591.D

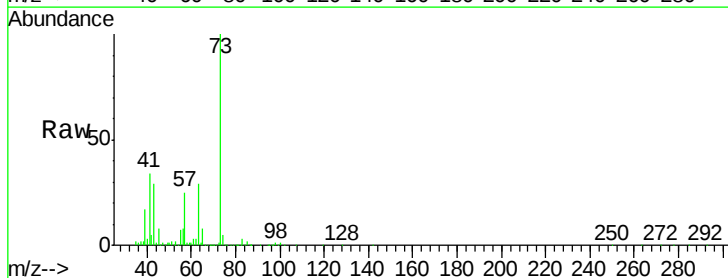
Acq: 31 Mar 2021 5:49

Tgt Ion: 73 Resp: 1690856

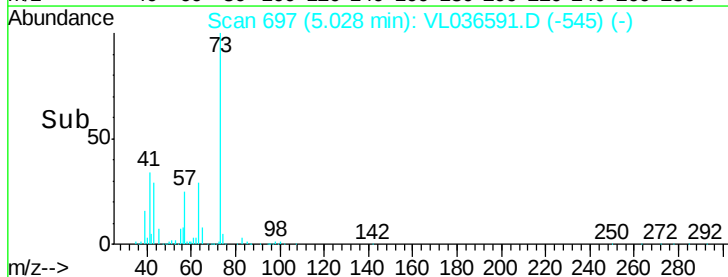
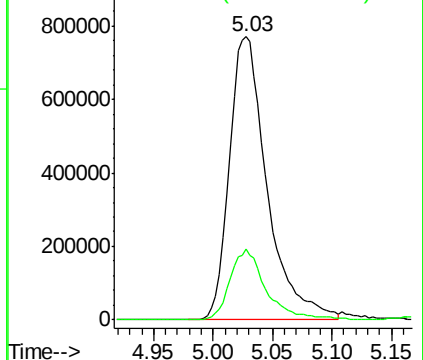
Ion Ratio Lower Upper

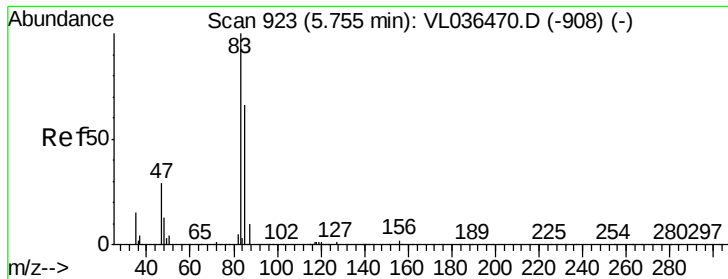
73 100

57 24.0 18.5 27.7



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





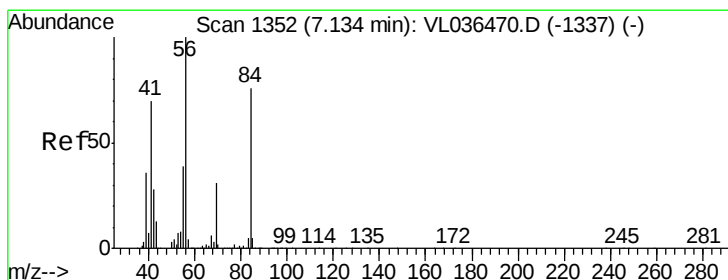
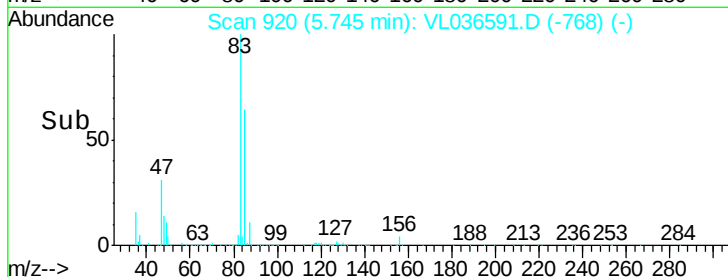
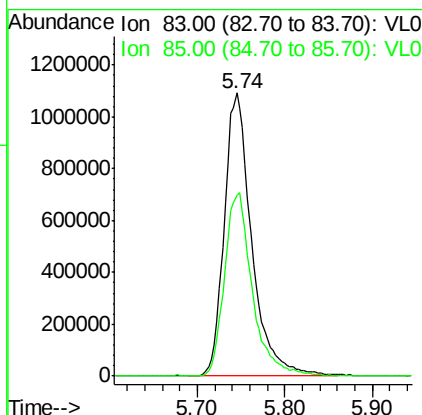
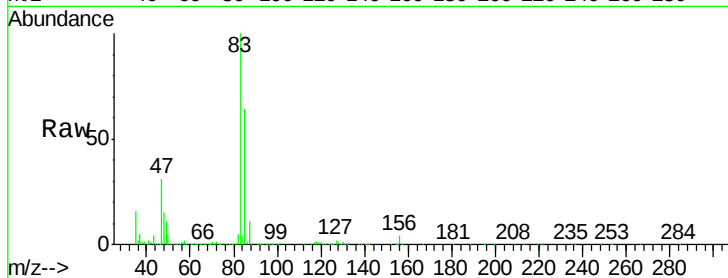
#29
Chloroform
Concen: 10.285 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2380497
Ion Ratio Lower Upper
83 100
85 63.6 52.6 78.8

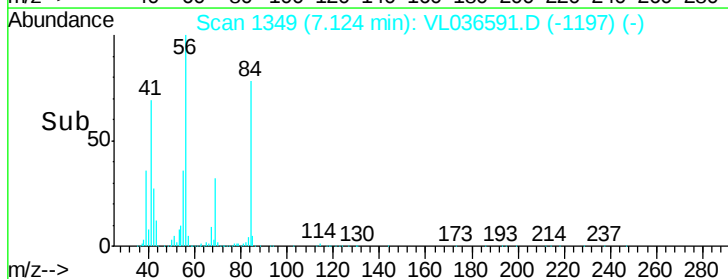
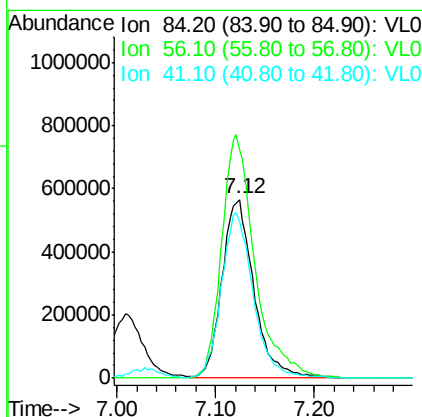
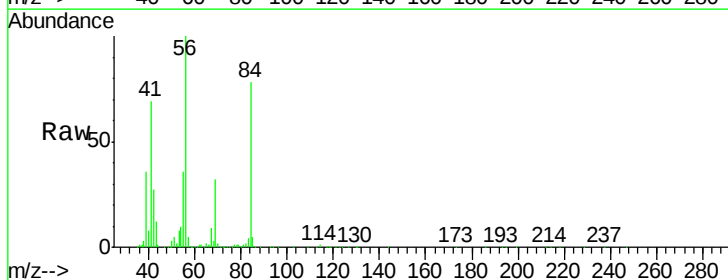
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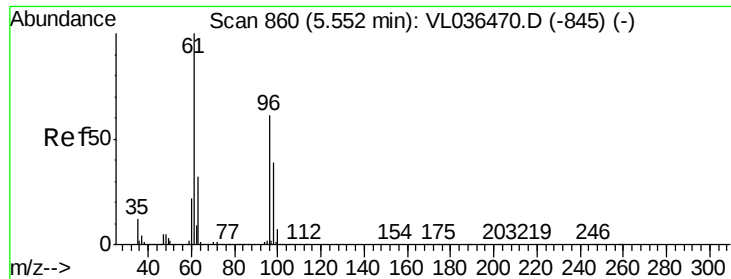
MMDadoda
4/2/2021 6:51:51 PM



#30
Cyclohexane
Concen: 10.795 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 84 Resp: 1267073
Ion Ratio Lower Upper
84 100
56 144.1 114.6 171.8
41 92.9 75.3 112.9





#31

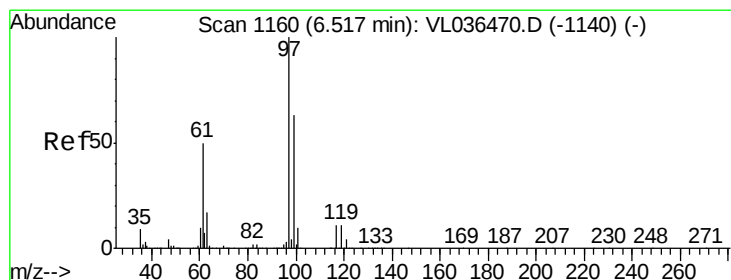
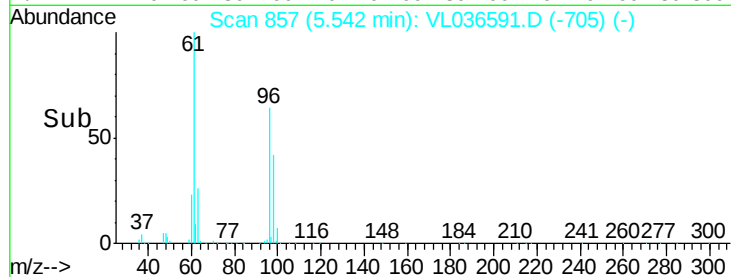
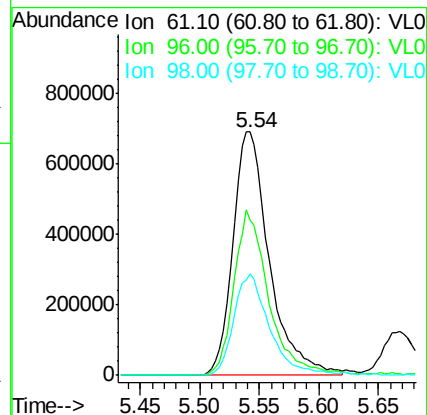
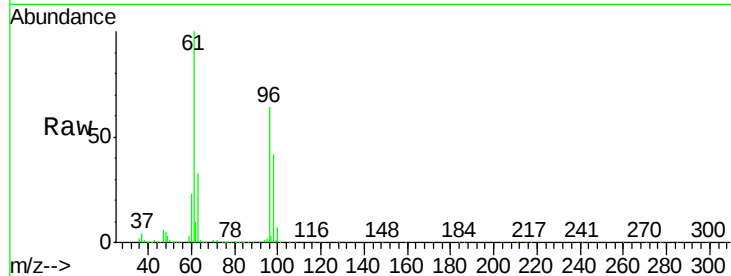
cis-1,2-Dichloroethene
Concen: 10.437 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.8	48.7	73.1
98	41.9	31.4	47.0

Manual Integrations
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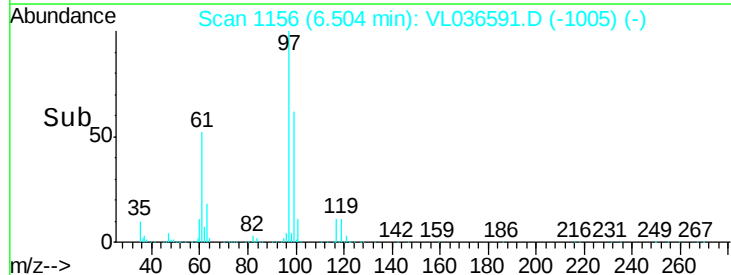
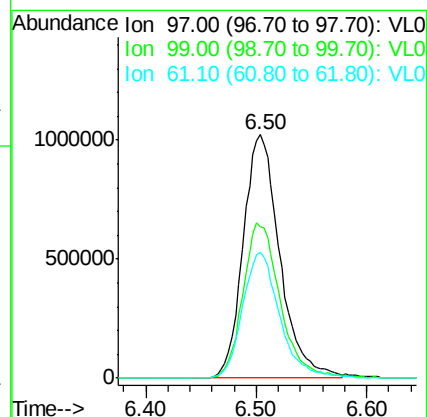
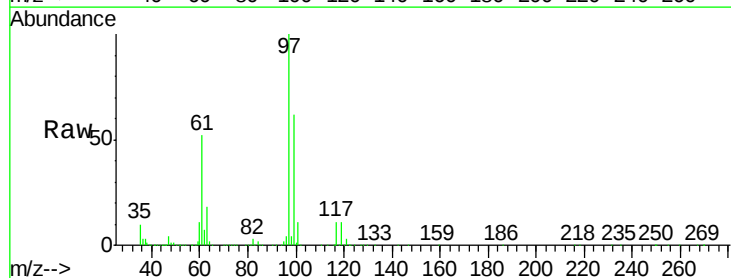
MMDadoda
4/2/2021 6:51:51 PM

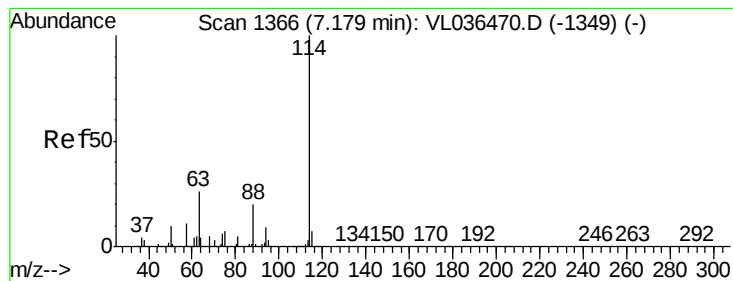


#32

1,1,1-Trichloroethane
Concen: 10.091 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	52.6	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 3247314

Ion Ratio Lower Upper

114 100

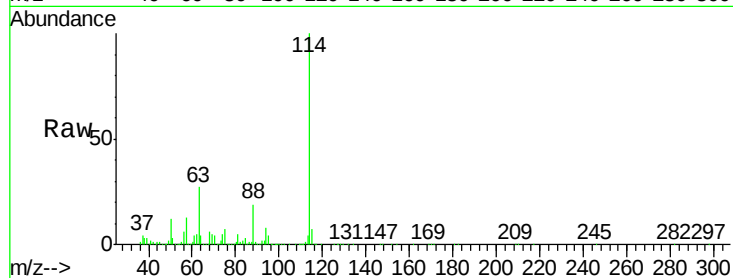
63 28.0 22.4 33.6

88 18.9 15.4 23.0

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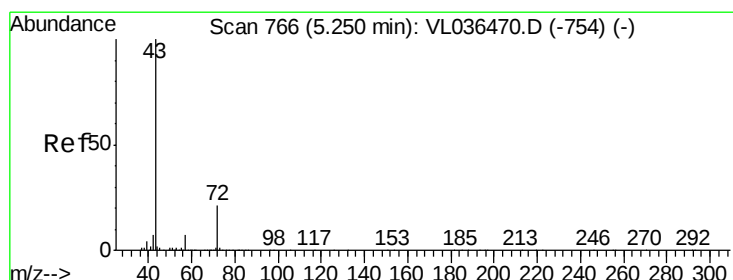
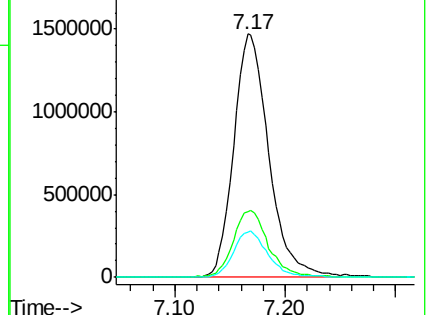
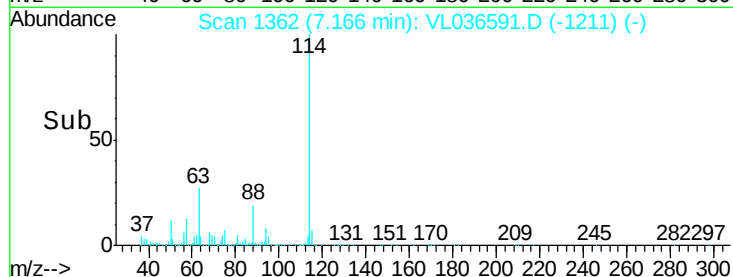
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.399 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.01 min

Lab File: VL036591.D

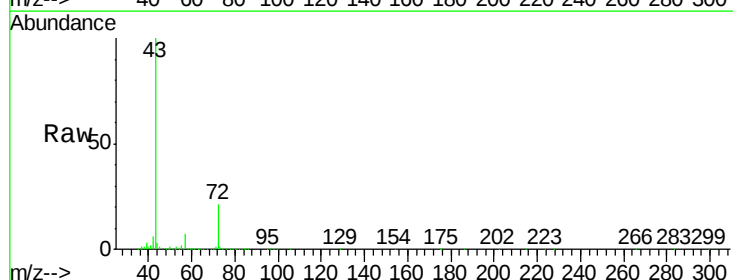
Acq: 31 Mar 2021 5:49

Tgt Ion: 43 Resp: 1489856

Ion Ratio Lower Upper

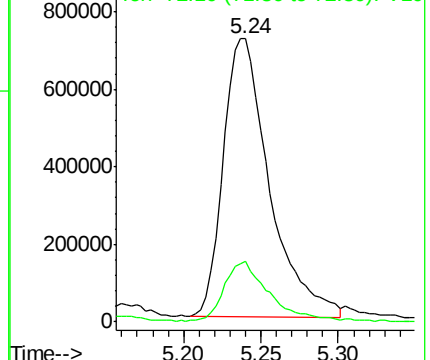
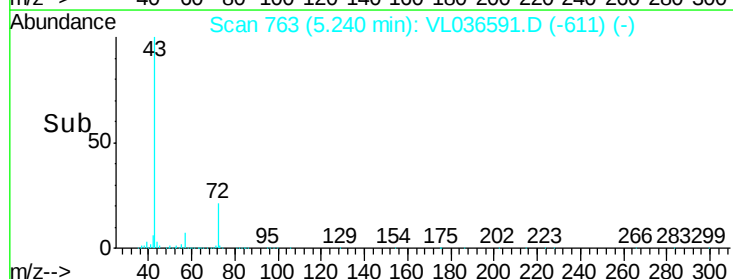
43 100

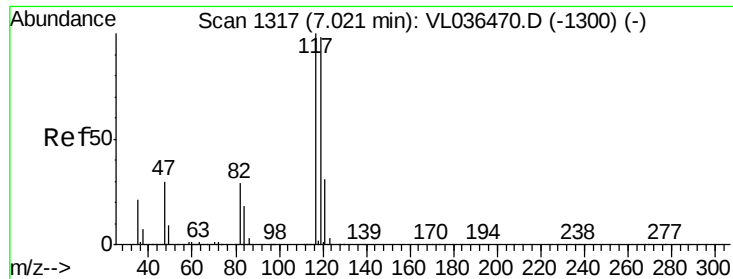
72 22.0 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.905 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion:117 Resp: 2470399

Ion Ratio Lower Upper

117 100

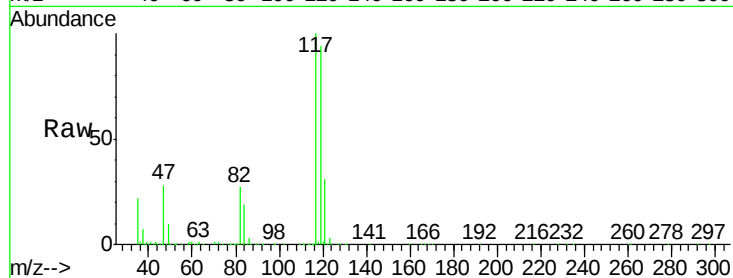
119 93.9 78.2 117.2

121 31.3 24.5 36.7

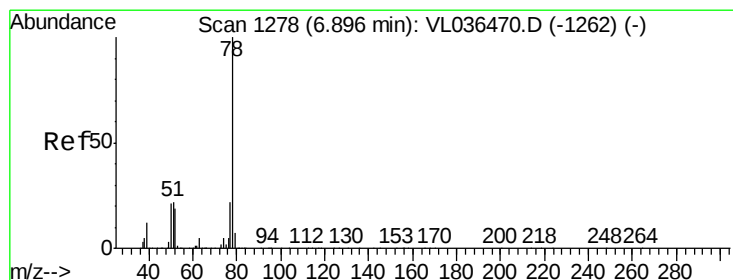
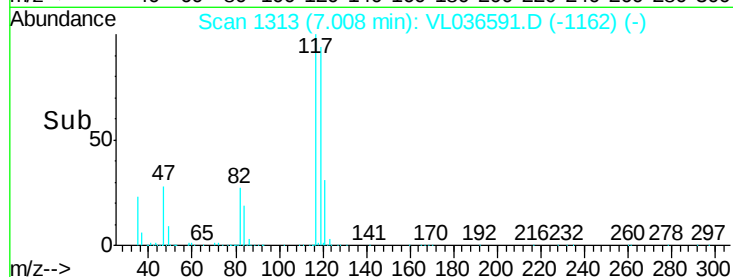
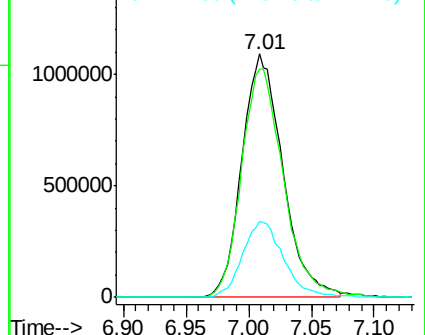
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.402 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

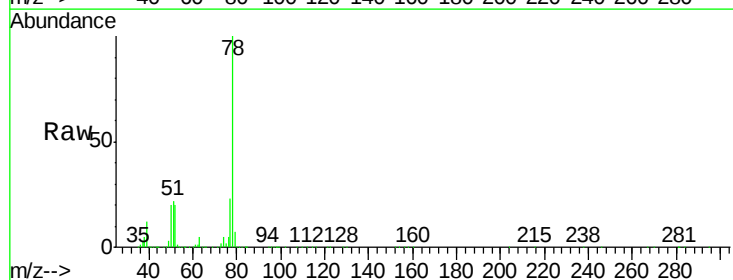
Tgt Ion: 78 Resp: 3115226

Ion Ratio Lower Upper

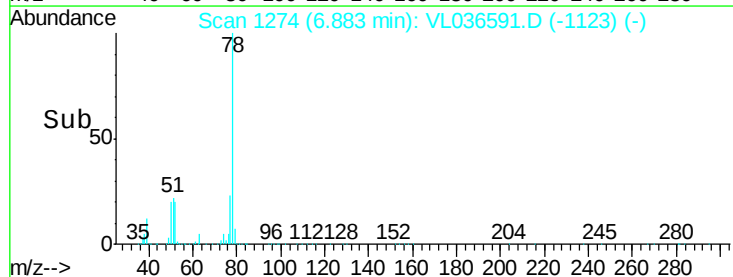
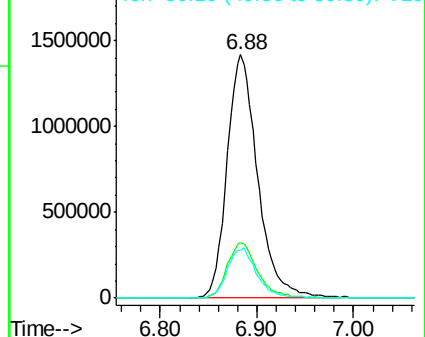
78 100

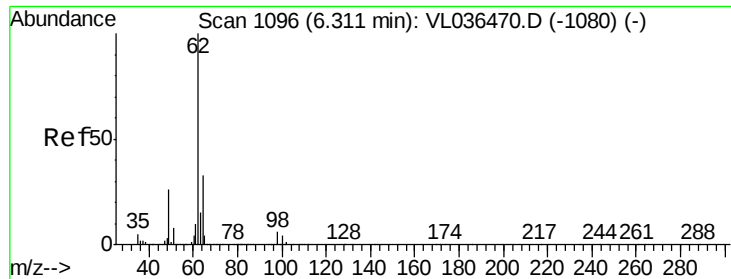
77 22.8 18.0 27.0

50 19.6 16.5 24.7



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





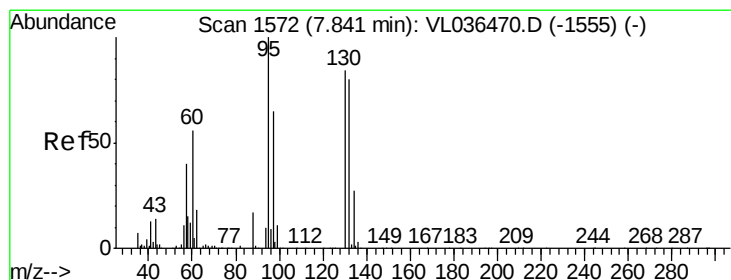
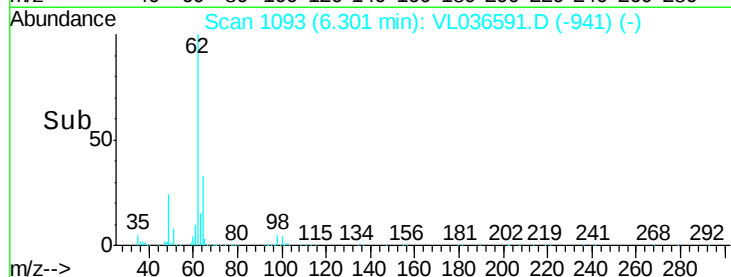
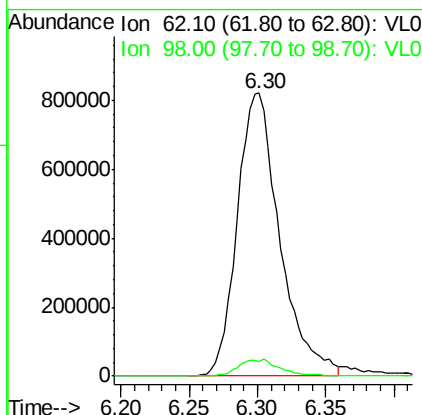
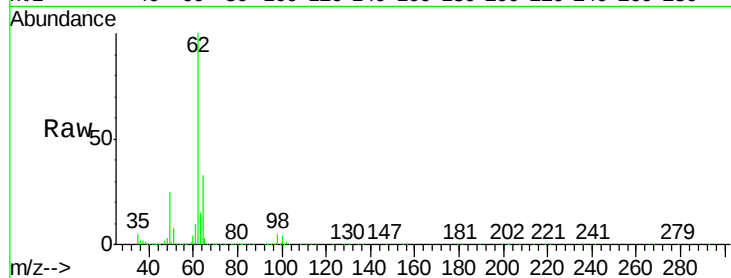
#37
 1,2-Dichloroethane
 Concen: 10.095 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1779392
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3

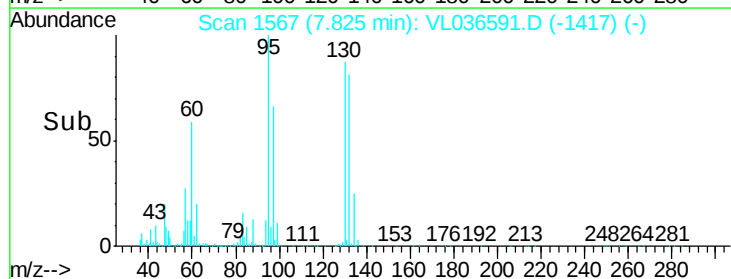
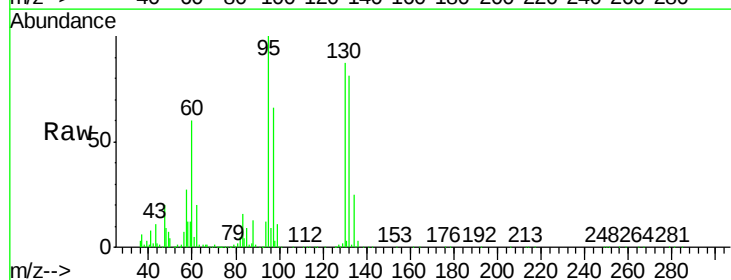
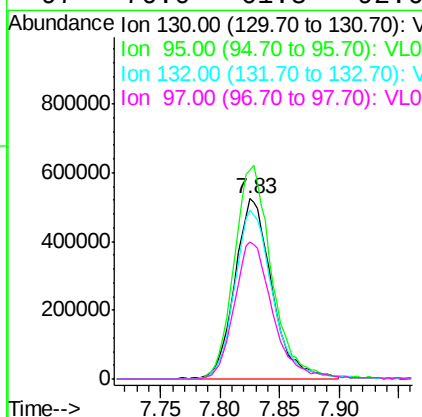
Manual Integrations
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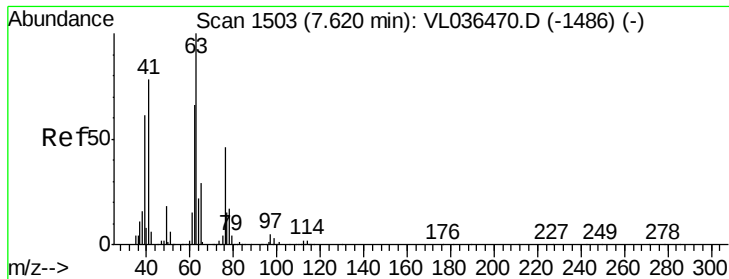
MMDadoda
 4/2/2021 6:51:51 PM



#38
 Trichloroethene
 Concen: 9.609 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion:130 Resp: 1119945
 Ion Ratio Lower Upper
 130 100
 95 115.8 95.7 143.5
 132 94.1 76.2 114.4
 97 76.0 61.8 92.6





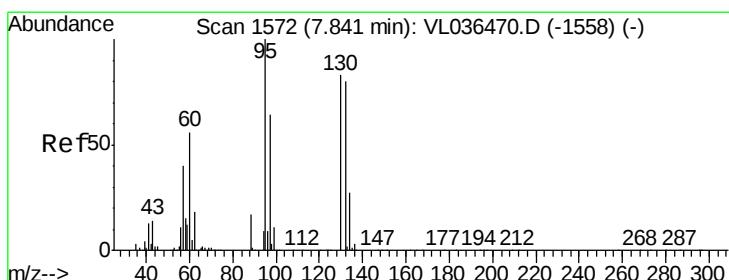
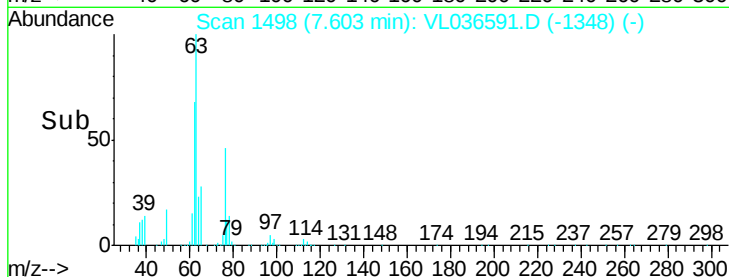
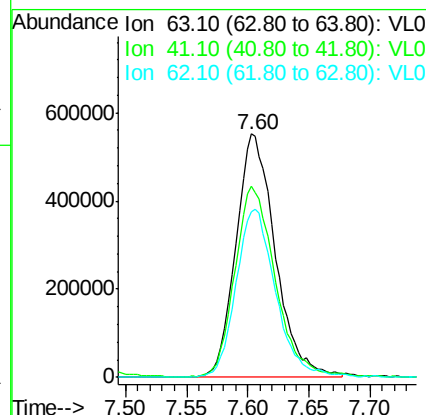
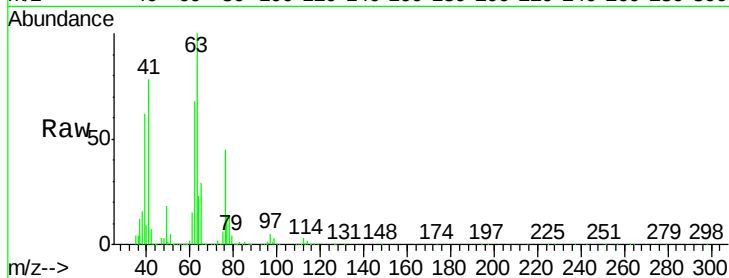
#39
 1,2-Dichloropropane
 Concen: 10.175 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.8	62.4	93.6
62	67.8	52.8	79.2

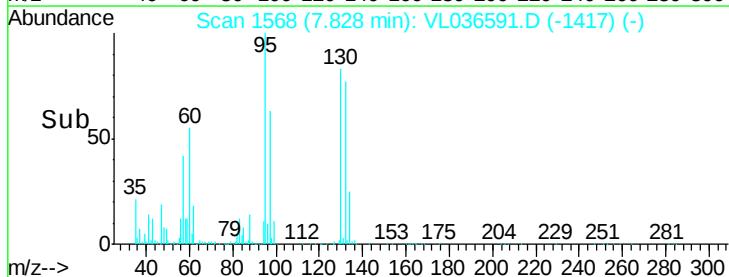
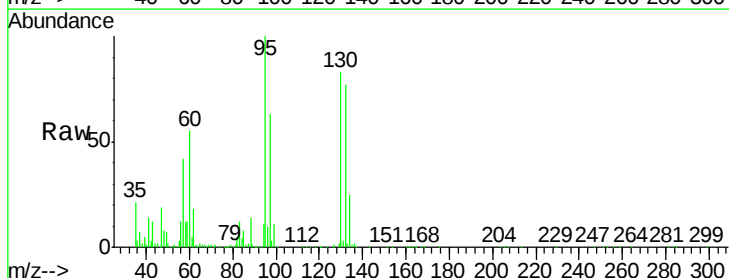
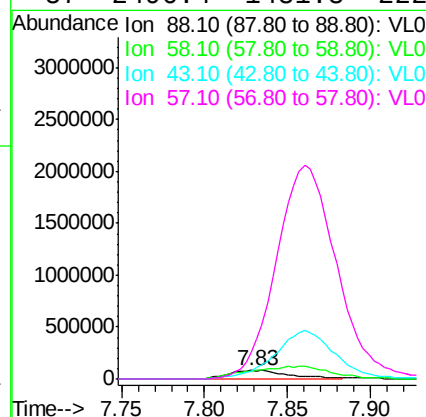
Manual Integrations
 APPROVED

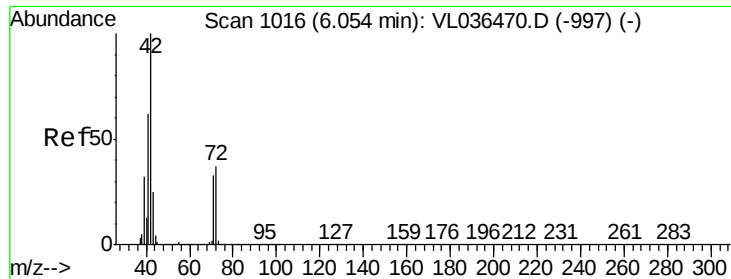
MMDadoda
 4/2/2021 6:51:51 PM



#40
 1,4-Dioxane
 Concen: 7.475 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	204.3	134.1	201.1#
43	561.2	346.6	520.0#
57	2496.4	1481.8	2222.8#





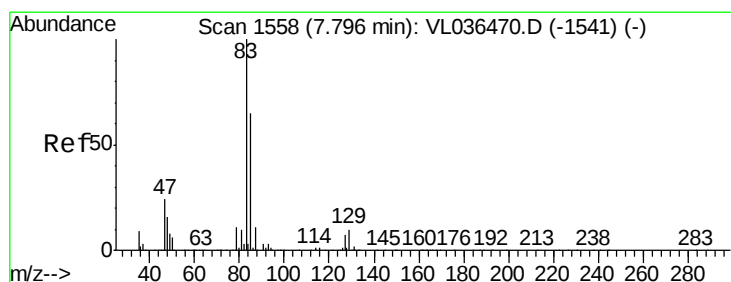
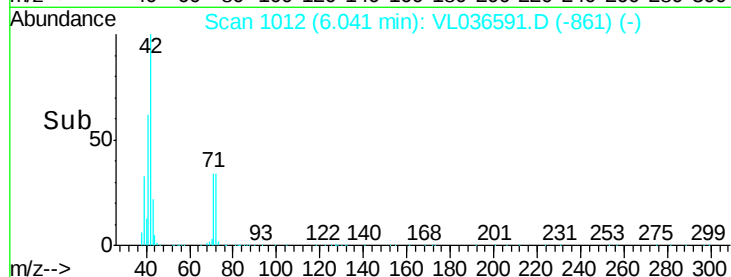
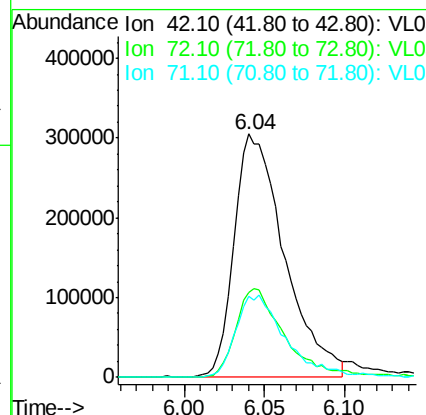
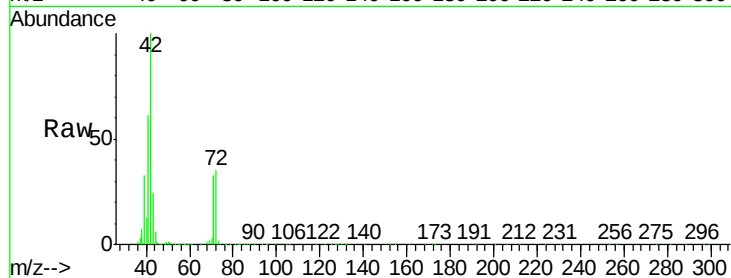
#41
Tetrahydrofuran
Concen: 8.980 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	27.6	41.4
71	34.6	27.0	40.4

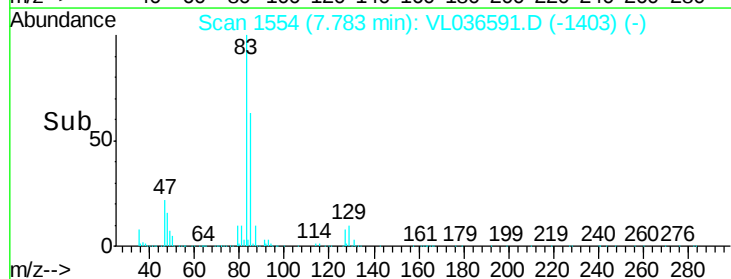
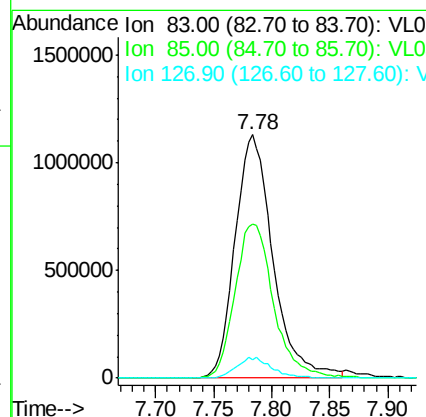
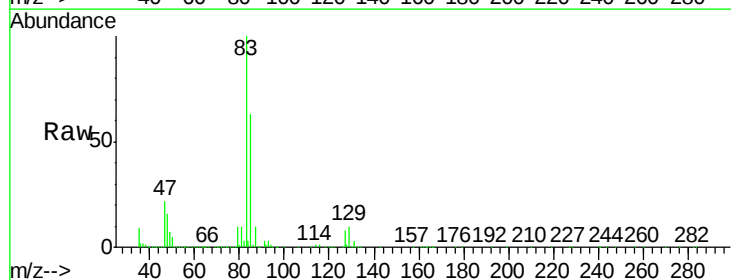
Manual Integrations
APPROVED

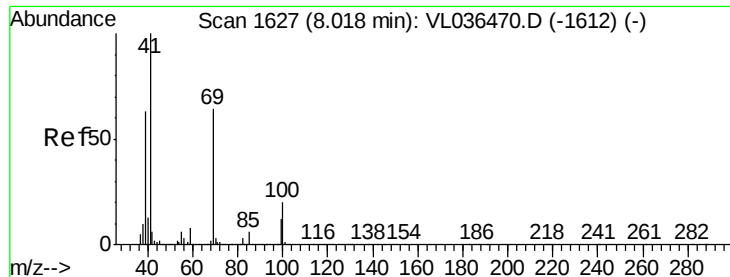
MMDadoda
4/2/2021 6:51:51 PM



#42
Bromodichloromethane
Concen: 10.664 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6
127	7.8	5.8	8.8





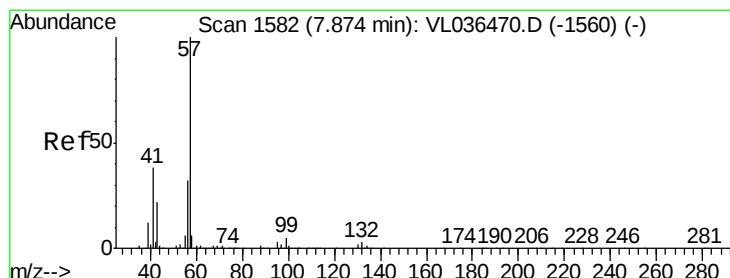
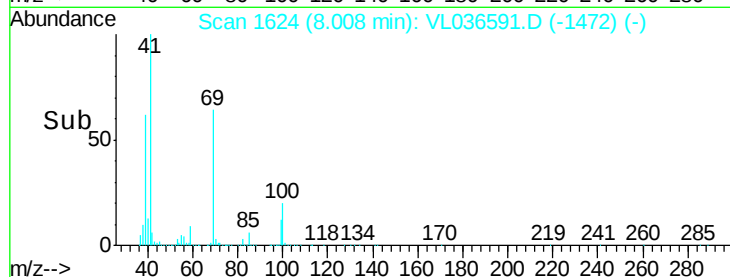
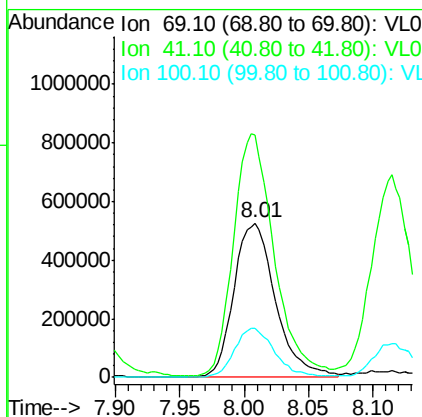
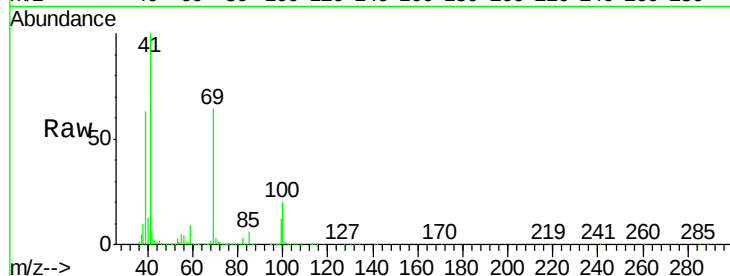
#43
Methvl Methacrylate
Concen: 11.739 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 69 Resp: 1180510
Ion Ratio Lower Upper
69 100
41 156.3 126.8 190.2
100 31.2 24.9 37.3

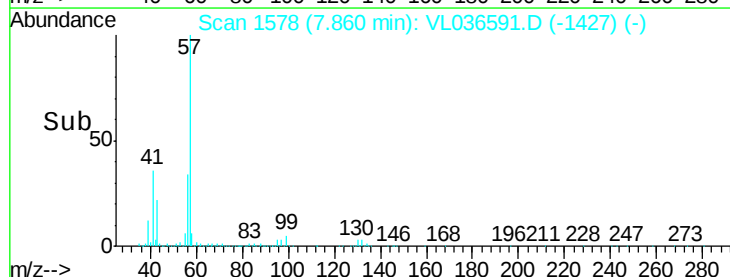
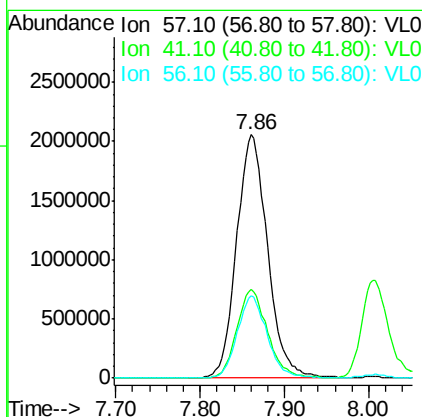
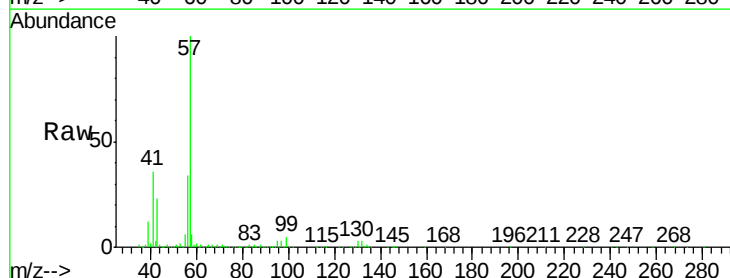
Manual Integrations
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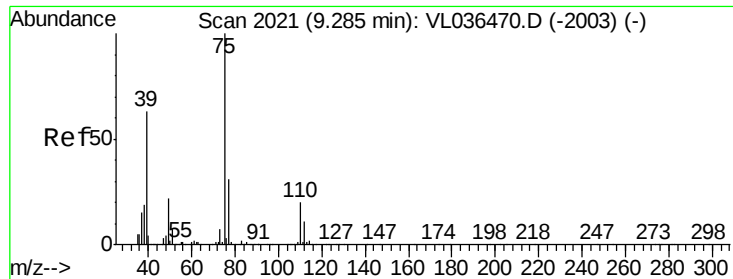
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.998 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 57 Resp: 5269800
Ion Ratio Lower Upper
57 100
41 35.9 28.8 43.2
56 32.6 26.1 39.1





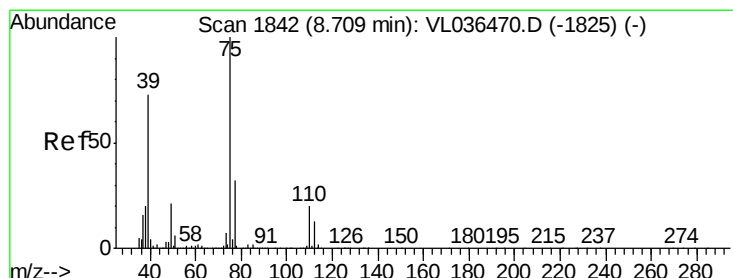
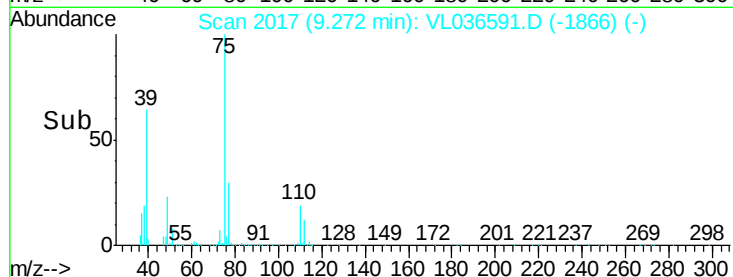
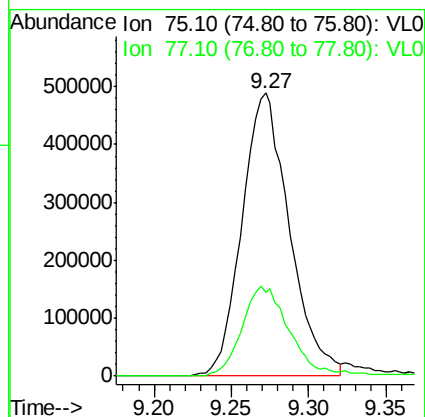
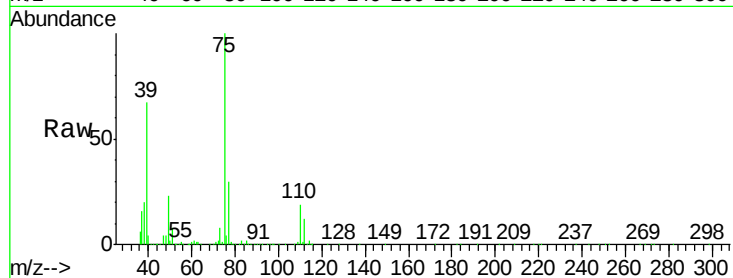
#45
t-1,3-Dichloropropene
Concen: 9.021 ppbv
RT: 9.27 min Scan# 2017
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1035924
Ion Ratio Lower Upper
75 100
77 29.7 25.1 37.7

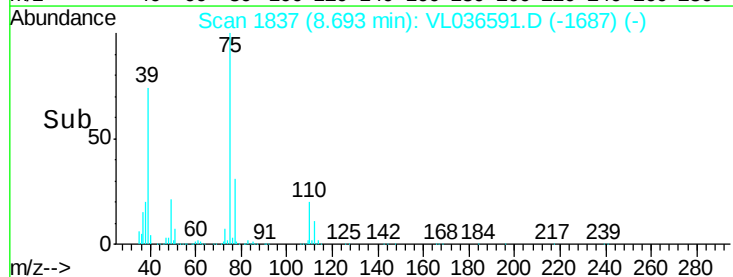
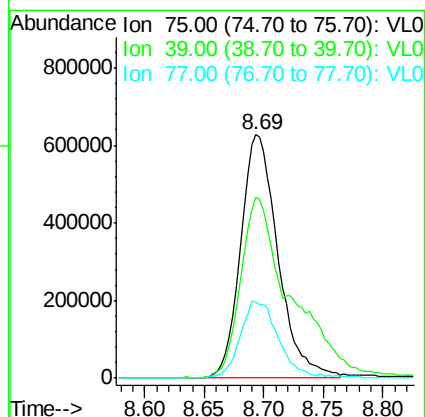
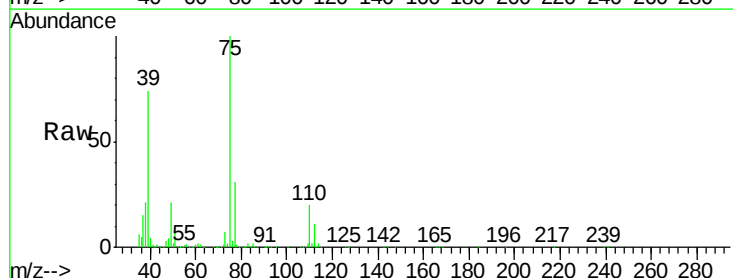
Manual Integrations
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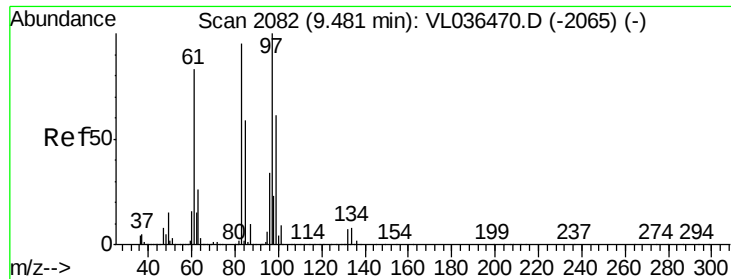
MMDadoda
4/2/2021 6:51:51 PM



#46
cis-1,3-Dichloropropene
Concen: 9.290 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 75 Resp: 1363711
Ion Ratio Lower Upper
75 100
39 74.1 58.2 87.2
77 31.2 25.2 37.8





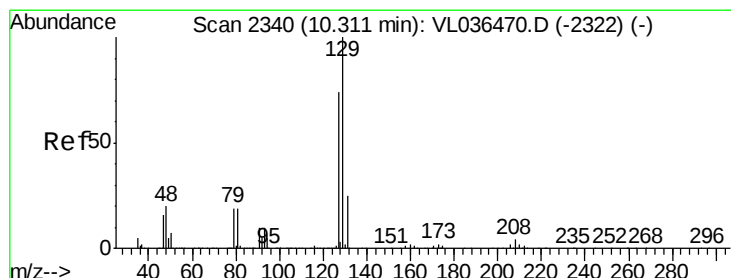
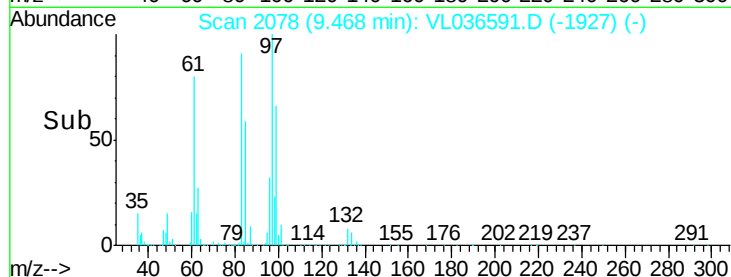
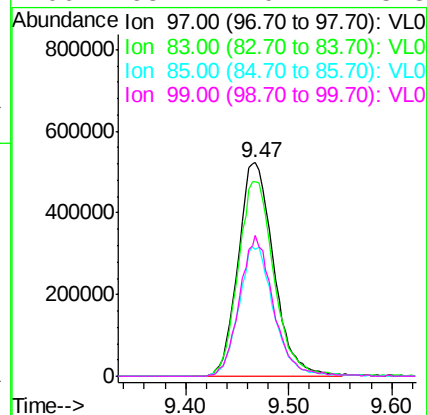
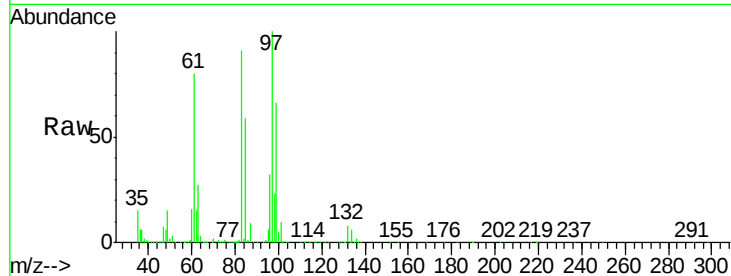
#47
 1,1,2-Trichloroethane
 Concen: 10.233 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.1	75.8	113.8	
85	59.2	47.1	70.7	
99	65.7	49.2	73.8	

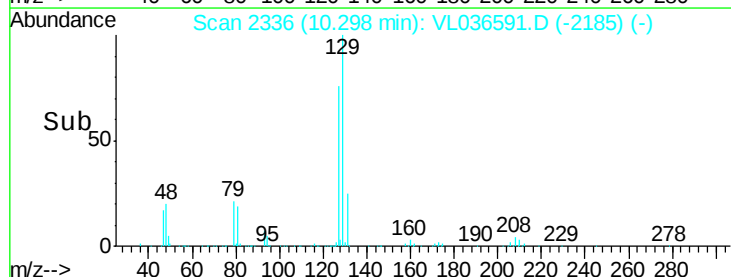
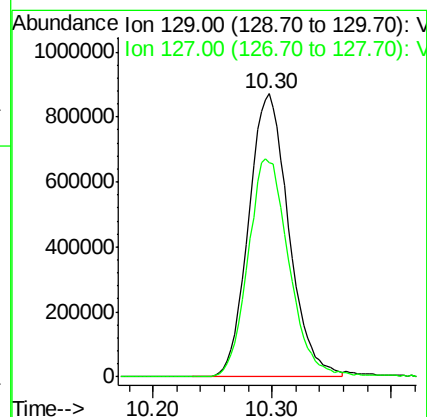
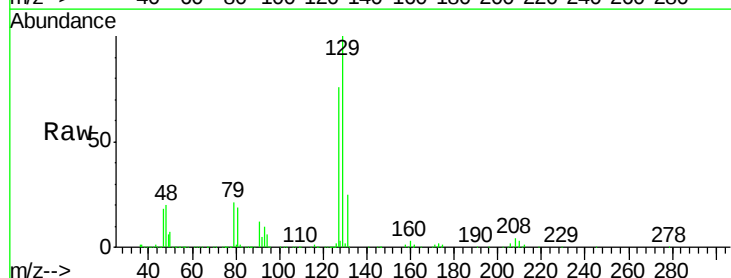
Manual Integrations
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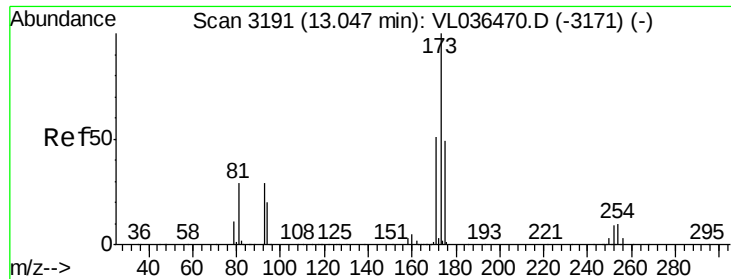
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#48
 Dibromochloromethane
 Concen: 10.833 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.6	39.6	118.8	





#49

Bromoform

Concen: 10.981 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1659764

Ion Ratio Lower Upper

173 100

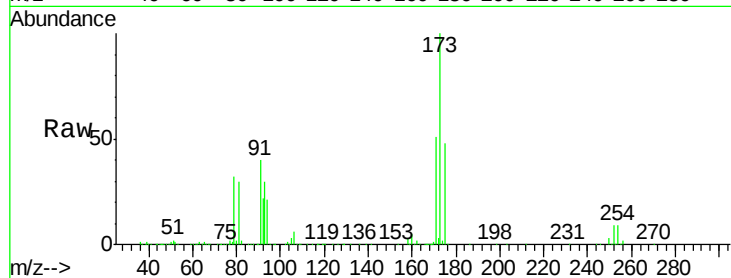
175 49.5 39.6 59.4

171 53.6 41.4 62.0

Manual Integrations
APPROVED

MMDadoda

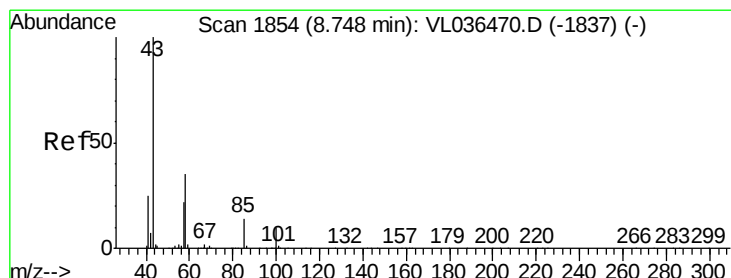
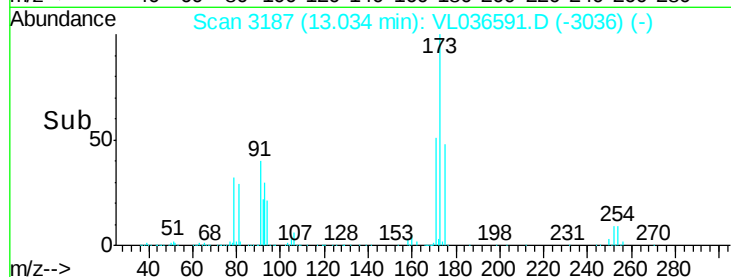
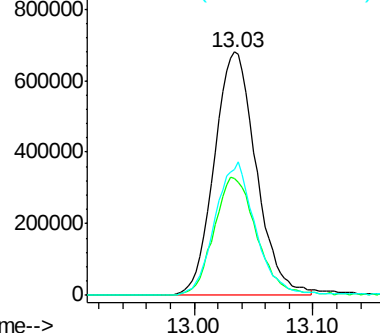
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.042 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036591.D

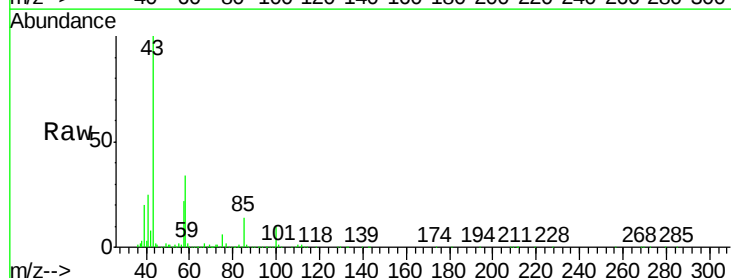
Acq: 31 Mar 2021 5:49

Tgt Ion: 43 Resp: 2303303

Ion Ratio Lower Upper

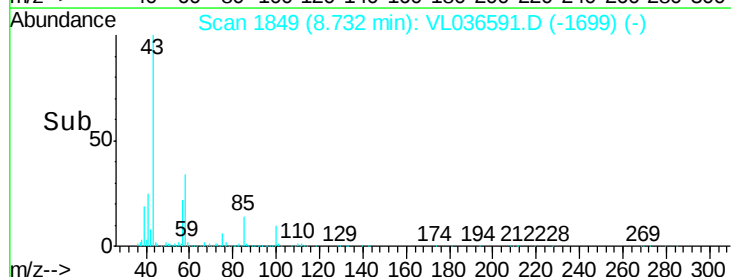
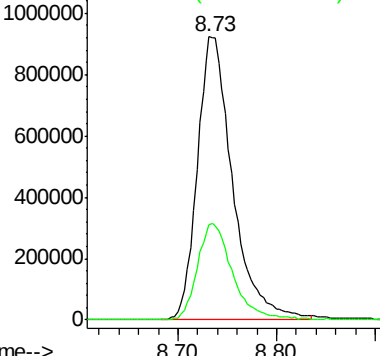
43 100

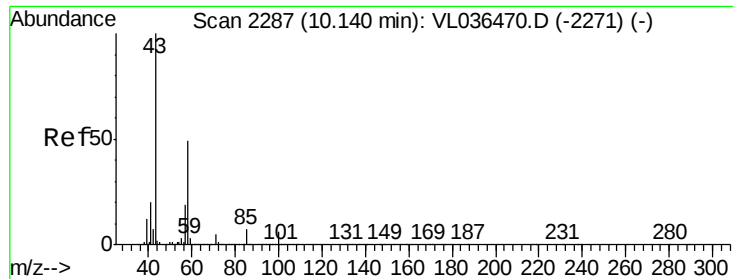
58 34.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.819 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1252268

Ion Ratio Lower Upper

43 100

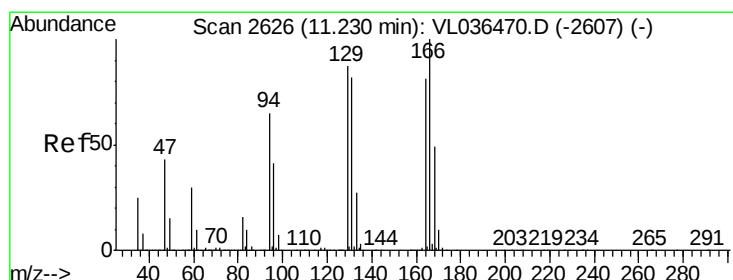
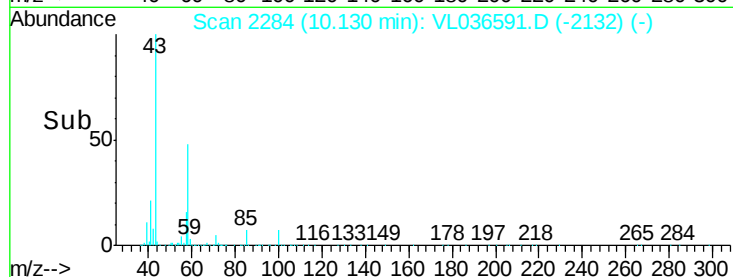
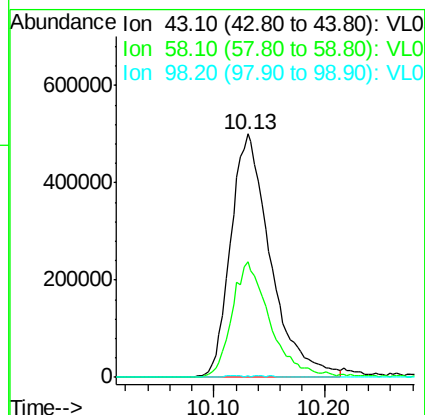
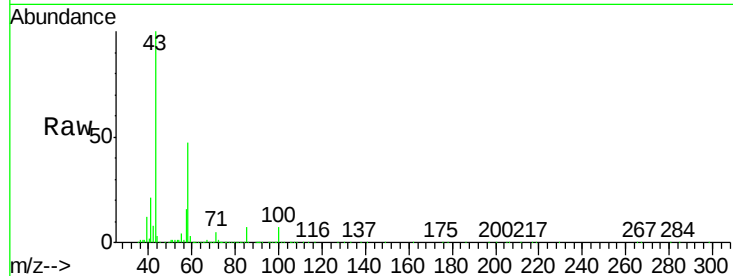
58 45.9 37.7 56.5

98 0.8 0.2 0.2#

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#52

Tetrachloroethene

Concen: 9.474 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 164 Resp: 1044836

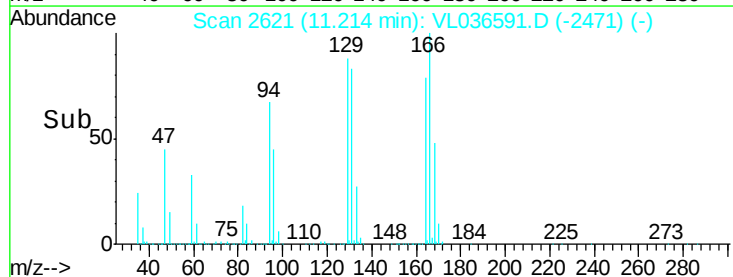
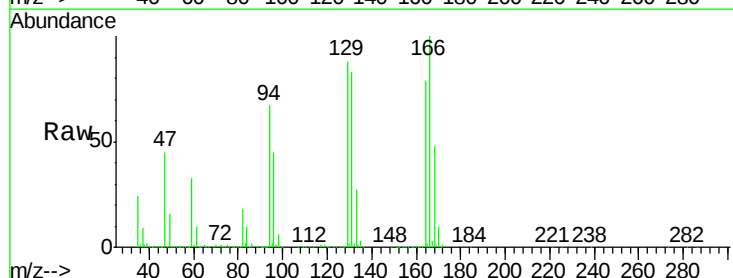
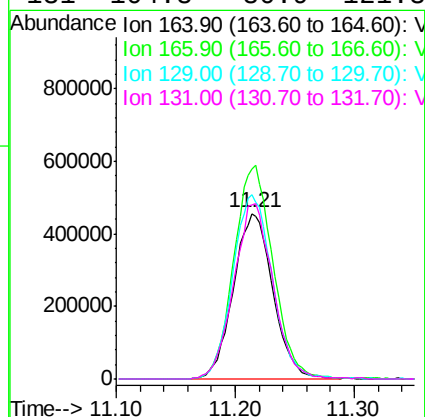
Ion Ratio Lower Upper

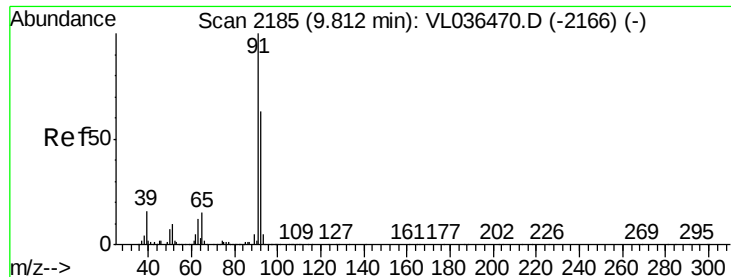
164 100

166 126.5 98.3 147.5

129 111.2 85.8 128.8

131 104.8 80.9 121.3





#53

Toluene

Concen: 10.827 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3453213

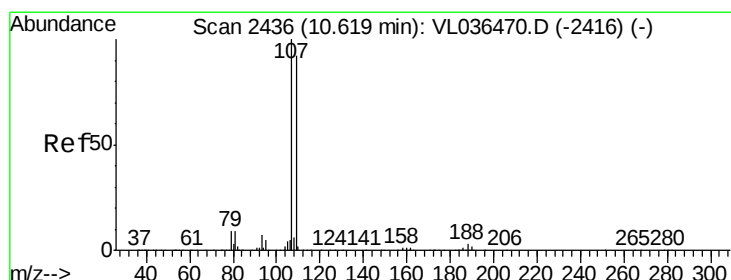
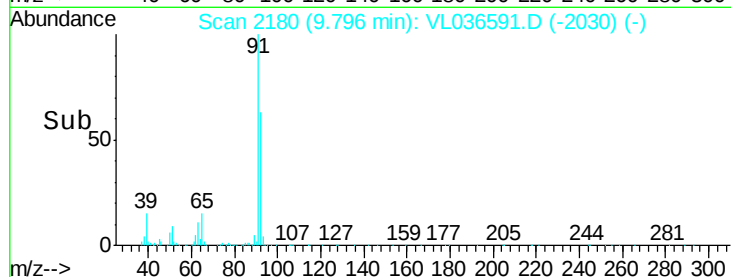
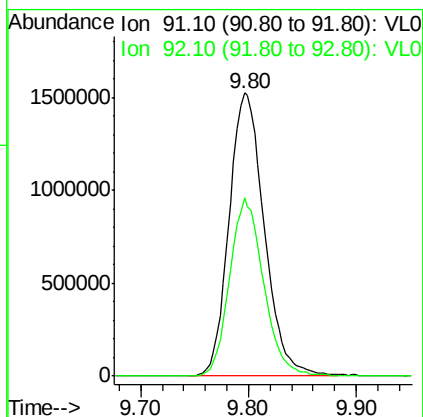
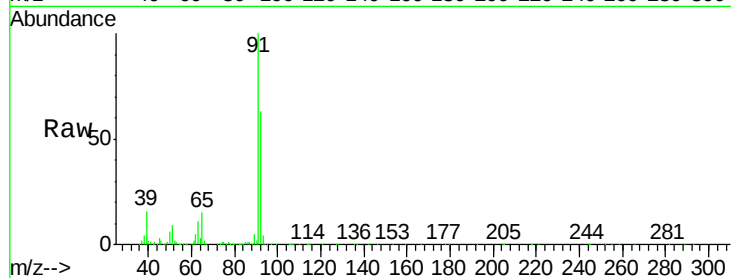
Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 10.138 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL036591.D

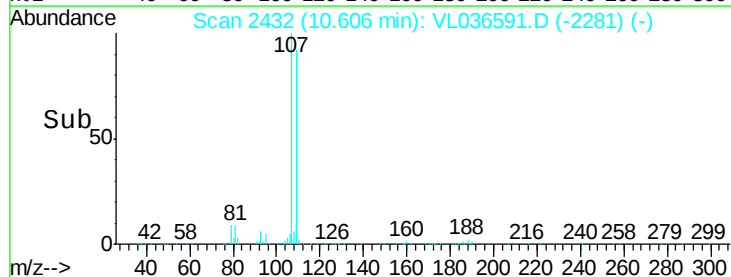
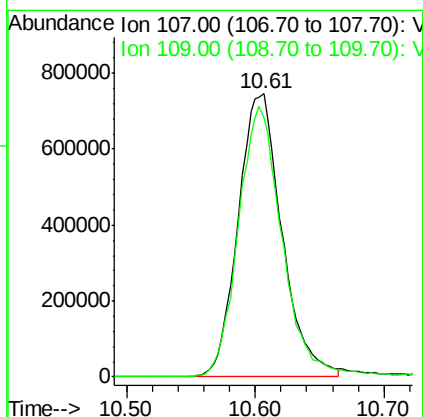
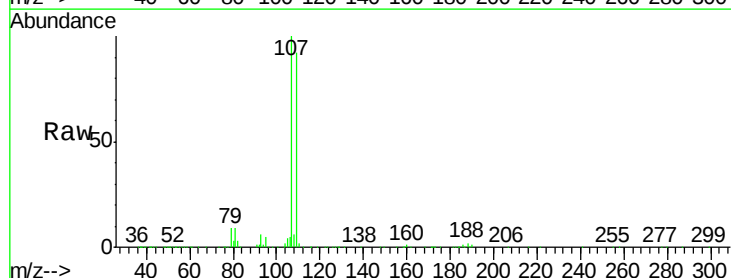
Acq: 31 Mar 2021 5:49

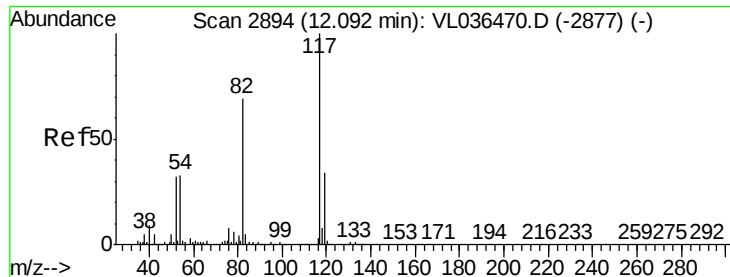
Tgt Ion: 107 Resp: 1761745

Ion Ratio Lower Upper

107 100

109 91.4 73.9 110.9





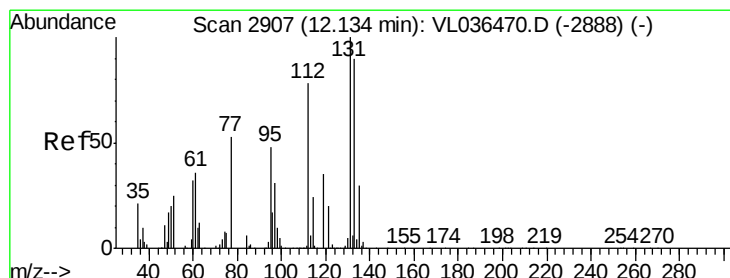
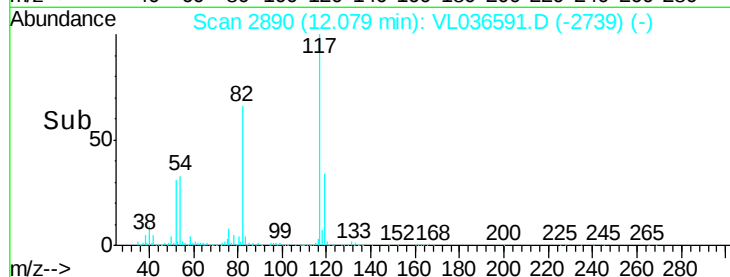
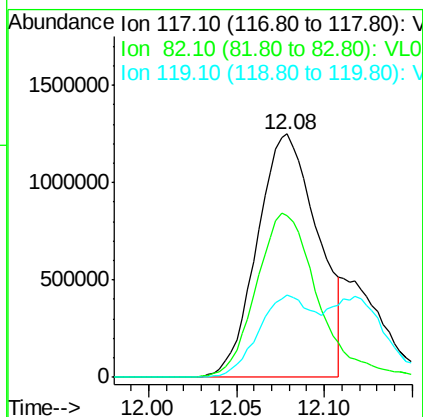
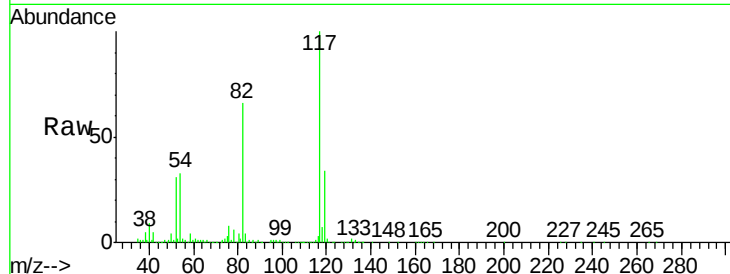
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3002450
Ion Ratio Lower Upper
117 100
82 70.4 57.4 86.0
119 26.9 47.4 71.0#

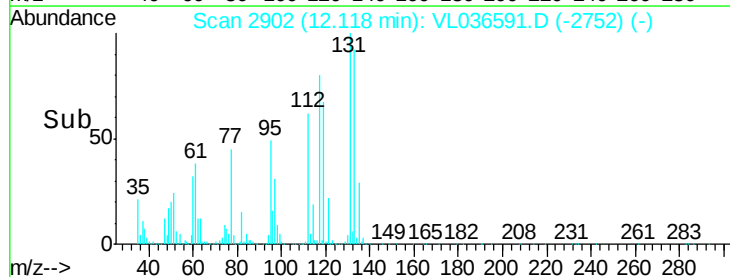
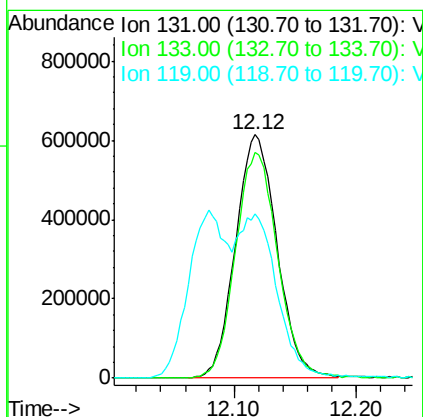
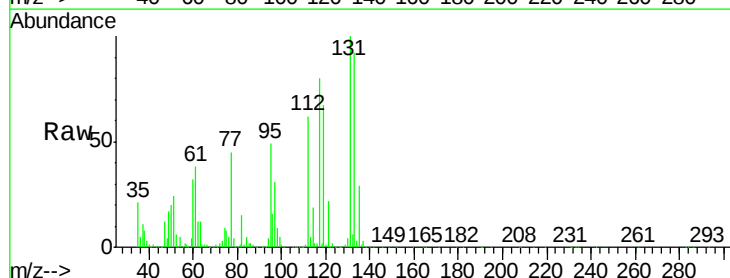
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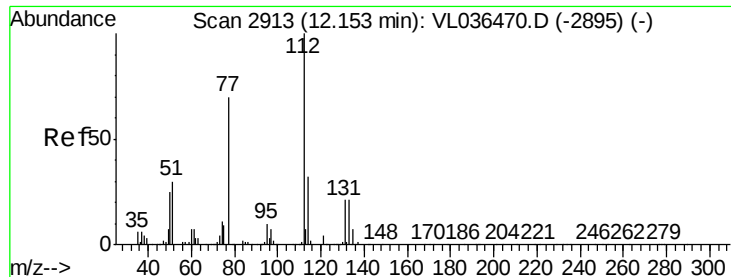
MMDadoda
4/2/2021 6:51:51 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.633 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion:131 Resp: 1443960
Ion Ratio Lower Upper
131 100
133 94.8 75.8 113.6
119 69.1 48.7 73.1





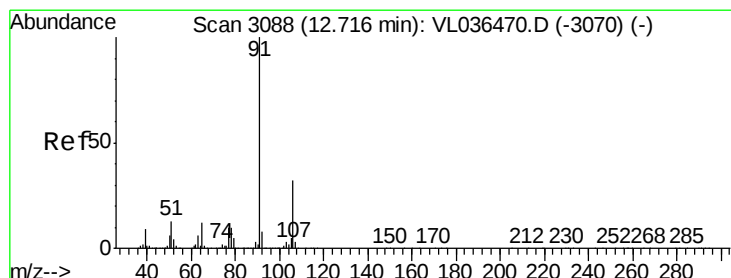
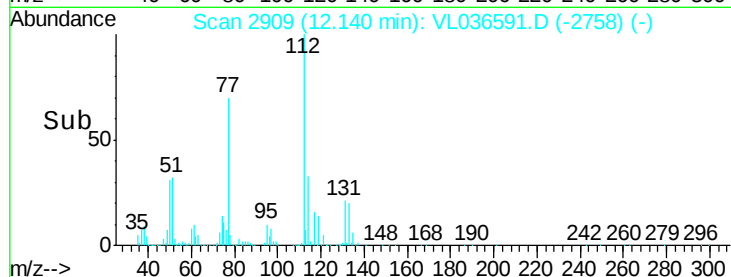
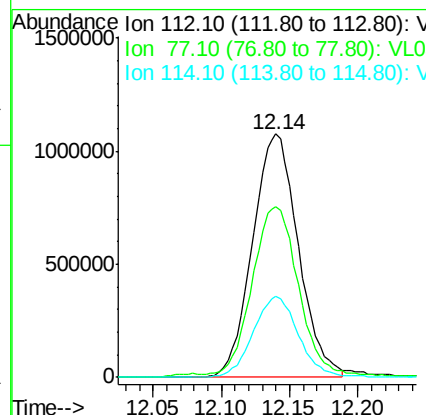
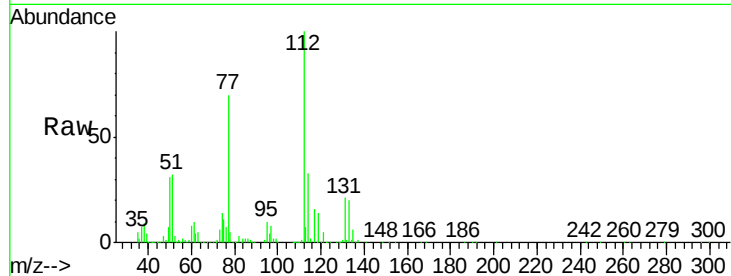
#57
Chlorobenzene
Concen: 9.794 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.5	56.0	84.0
114	33.3	29.0	35.4

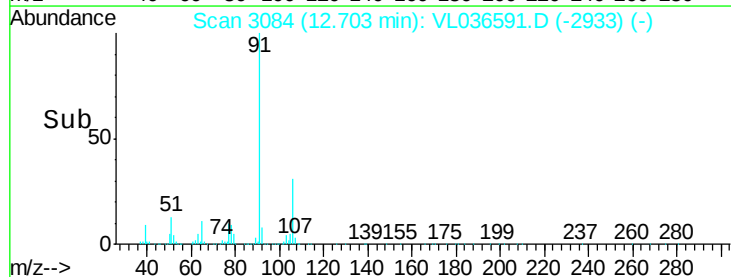
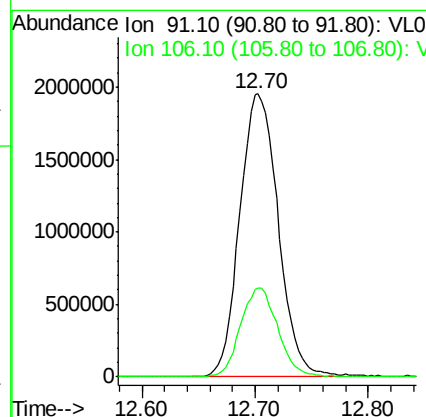
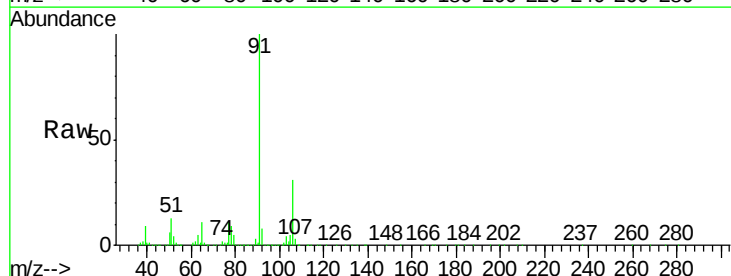
Manual Integrations
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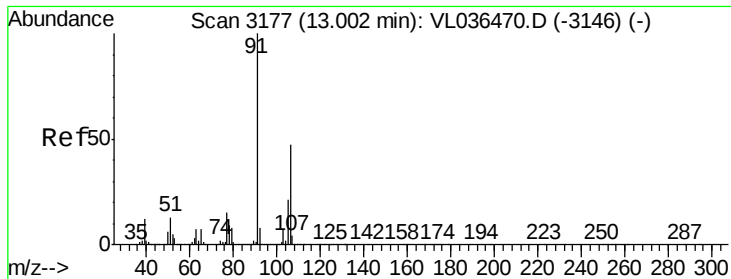
MMDadoda
4/2/2021 6:51:51 PM



#58
Ethyl Benzene
Concen: 10.594 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.3	37.9





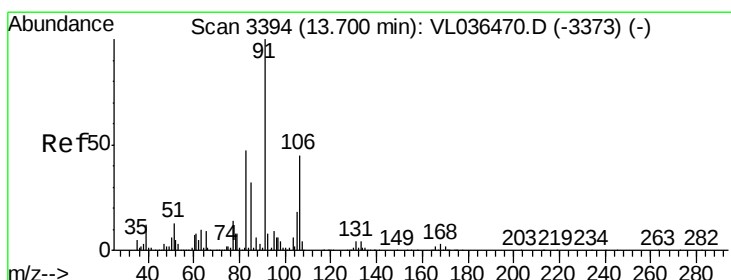
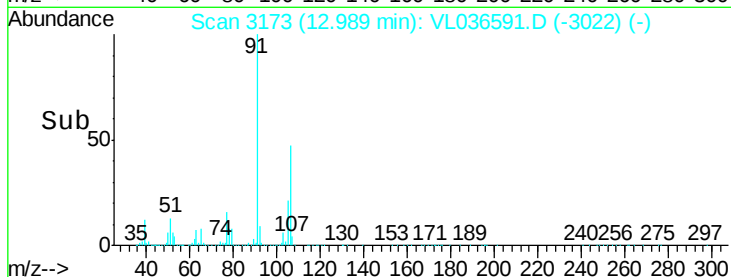
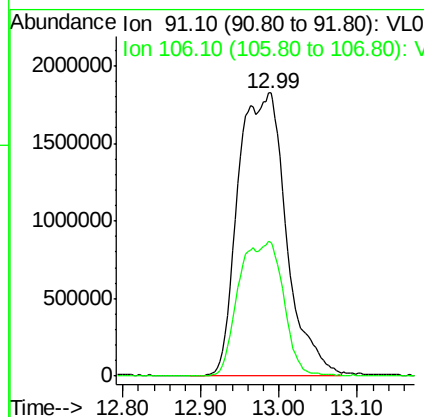
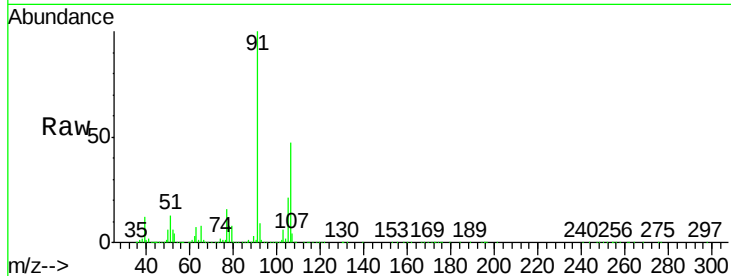
#59
m/p-Xylene
Concen: 20.614 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7853823
Ion Ratio Lower Upper
91 100
106 44.3 35.3 52.9

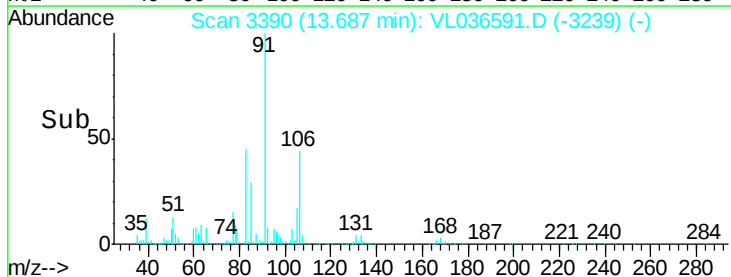
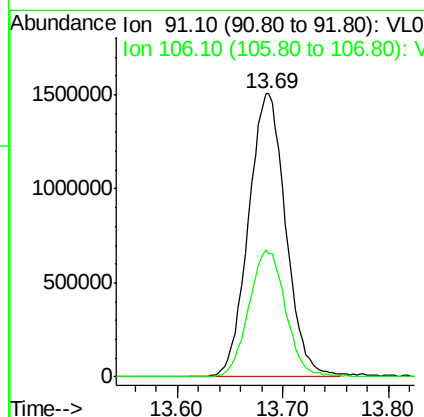
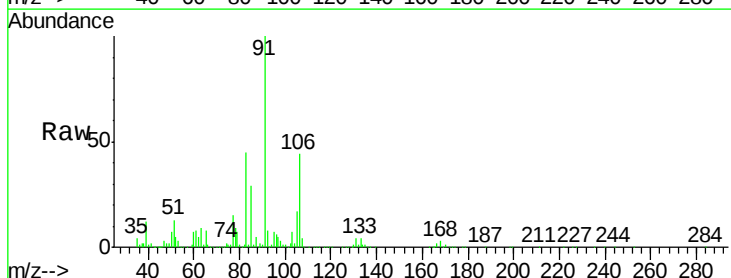
Manual Integrations
APPROVED

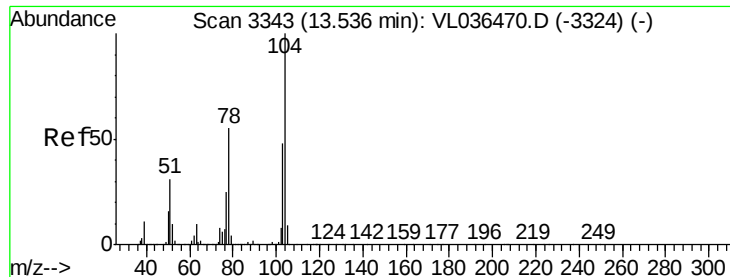
MMDadoda
4/2/2021 6:51:51 PM



#60
o-Xylene
Concen: 10.024 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion: 91 Resp: 3692554
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





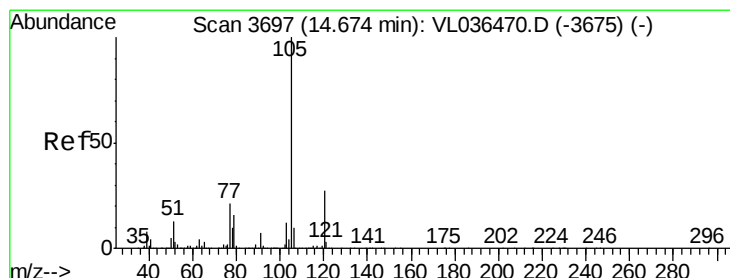
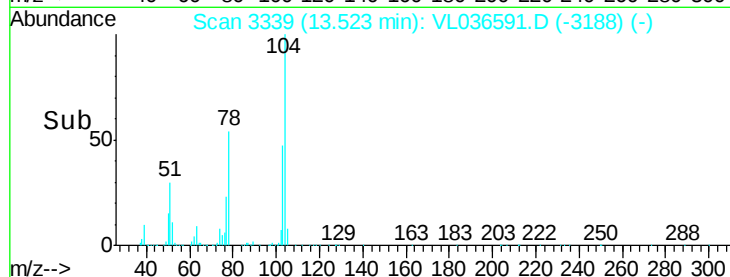
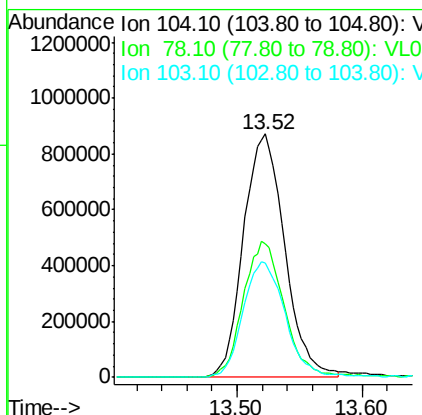
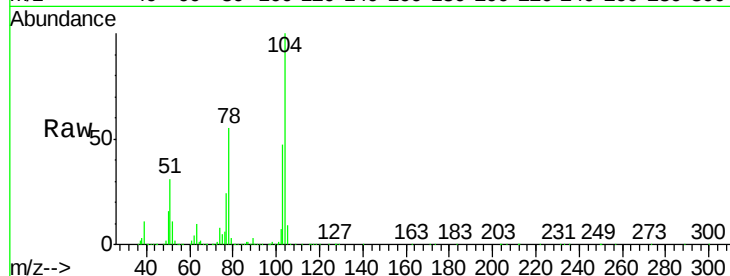
#61
Stvrene
Concen: 10.762 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	43.8	65.8
103	48.8	38.3	57.5

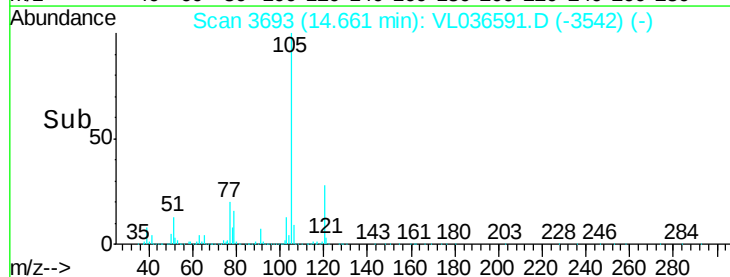
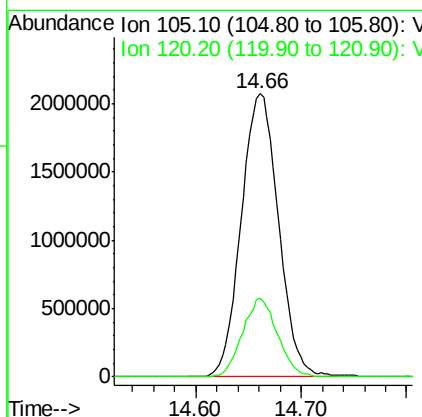
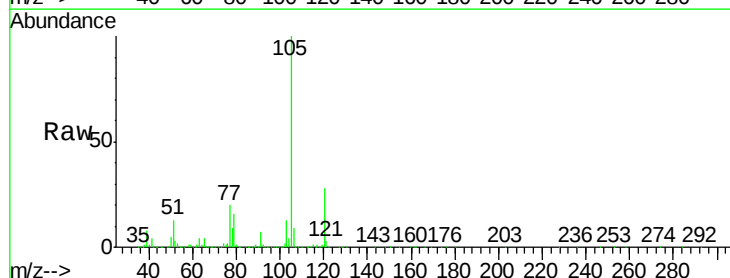
Manual Integrations
APPROVED

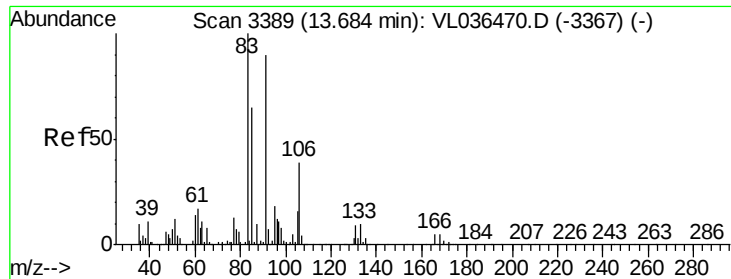
MMDadoda
4/2/2021 6:51:51 PM



#62
Isopropylbenzene
Concen: 10.282 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.6	31.0





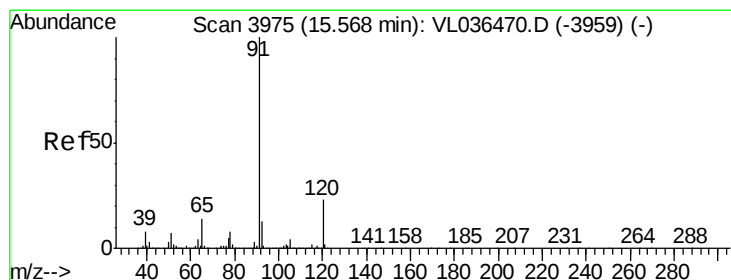
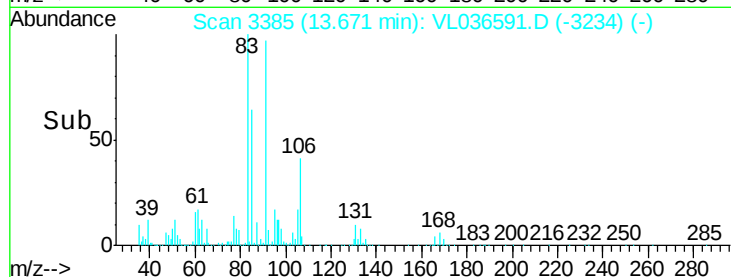
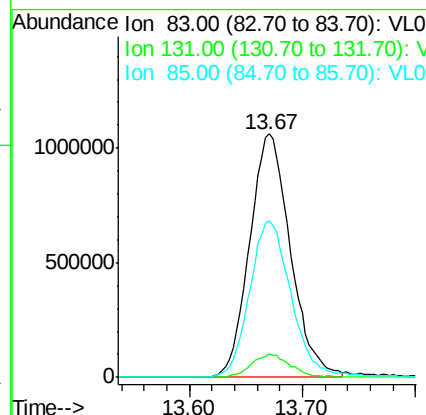
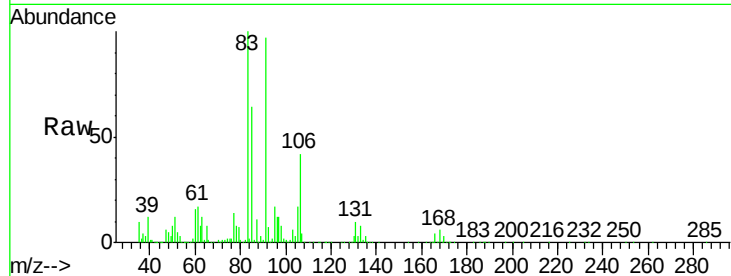
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.468 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2660668
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	66.0	33.1	99.3

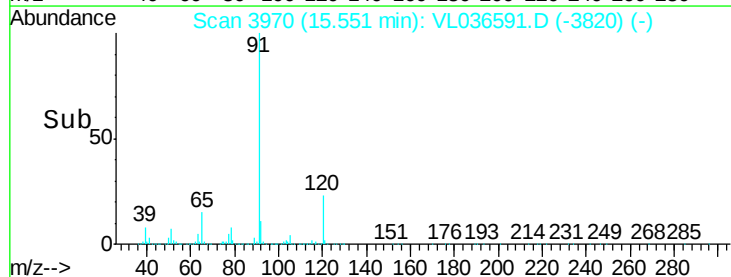
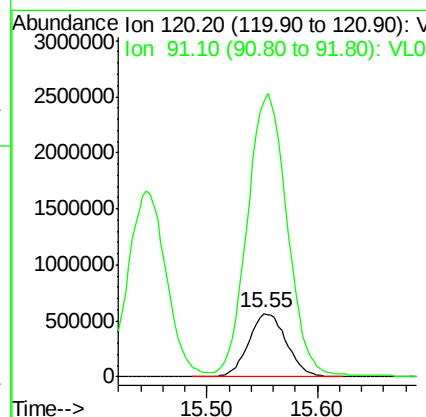
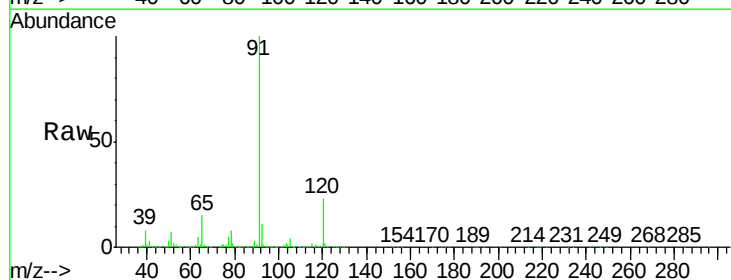
Manual Integrations
 APPROVED

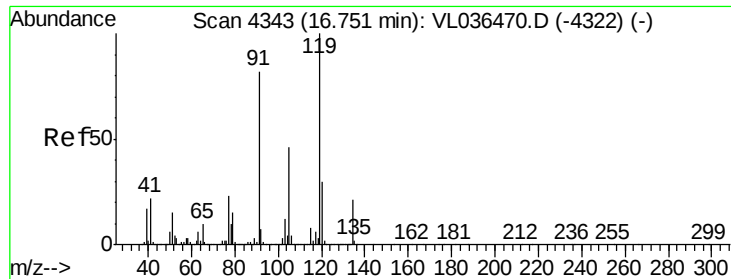
MMDadoda
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#64
 n-propylbenzene
 Concen: 11.114 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion	120	Resp	1348032
Ion Ratio	100	Lower	Upper
120	100		
91	472.1	377.4	566.2





#65

tert-Butylbenzene

Concen: 10.294 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

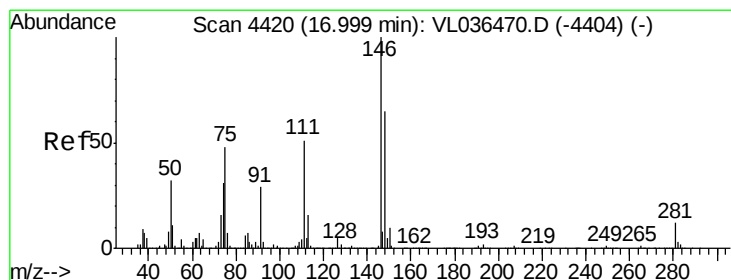
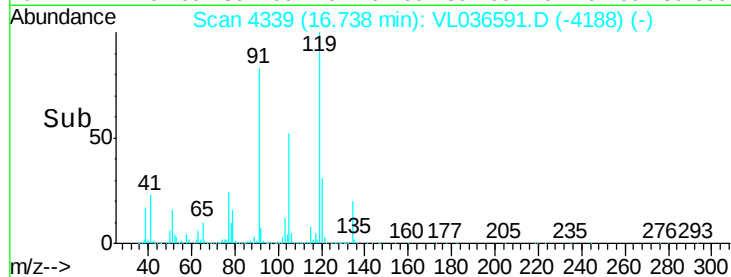
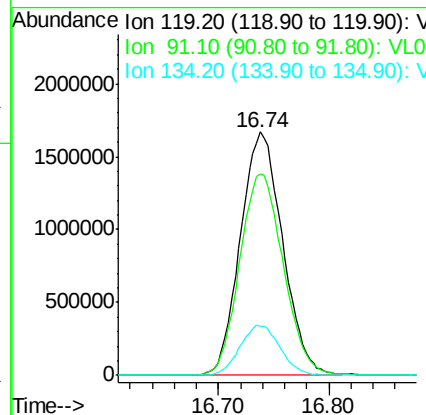
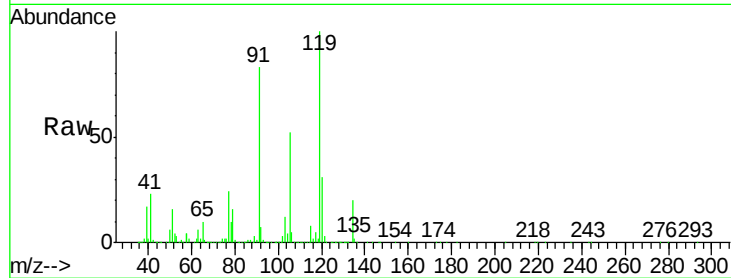
VSTDCCC010

Tot Ion:119 Resp: 4428126

Ion	Ratio	Lower	Upper
119	100		
91	85.3	67.5	101.3
134	19.6	15.8	23.8

Manual Integrations
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#66

Benzyl Chloride

Concen: 10.582 ppbv

RT: 16.98 min Scan# 4415

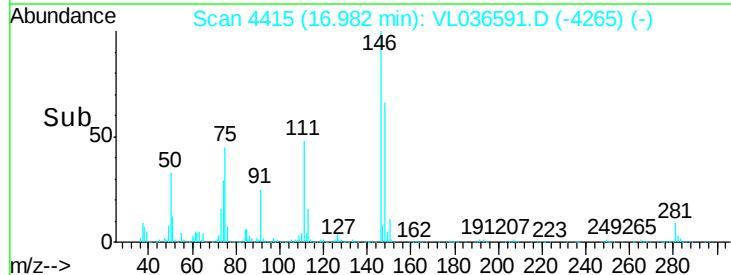
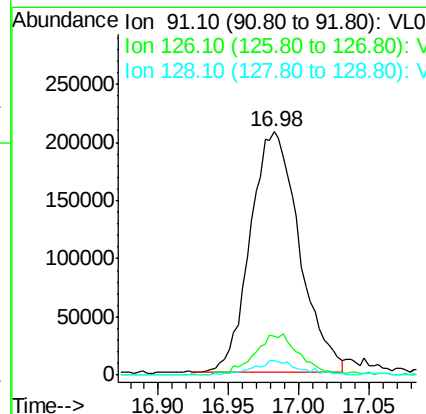
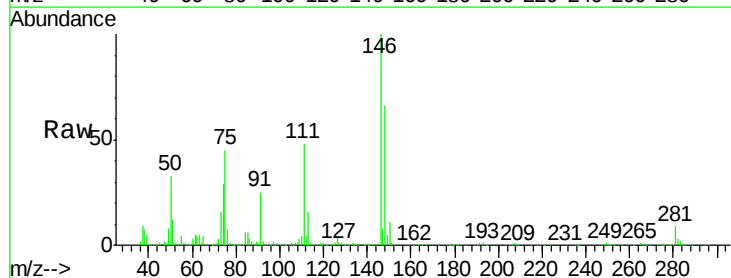
Delta R.T. -0.02 min

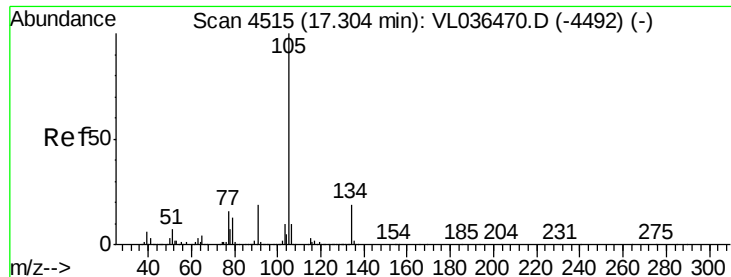
Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 91 Resp: 503175

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.5	20.3
128	6.0	4.2	6.4





#67

sec-Butylbenzene

Concen: 10.281 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6243091

Ion Ratio Lower Upper

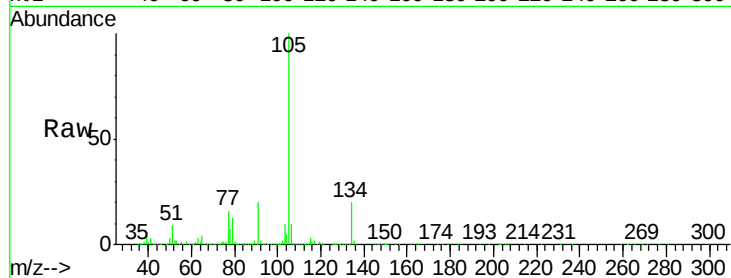
105 100

134 18.4 14.7 22.1

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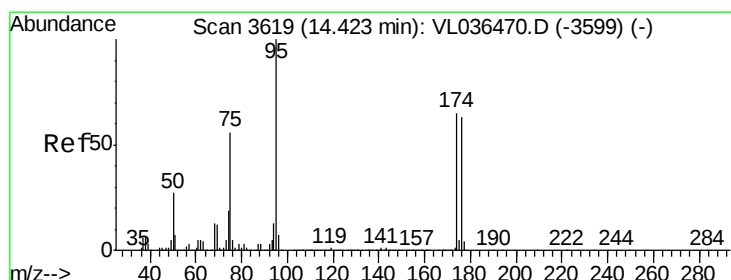
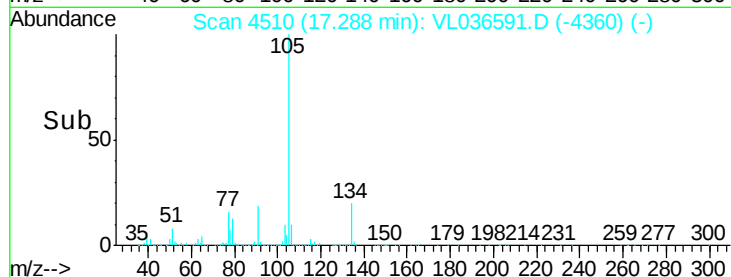
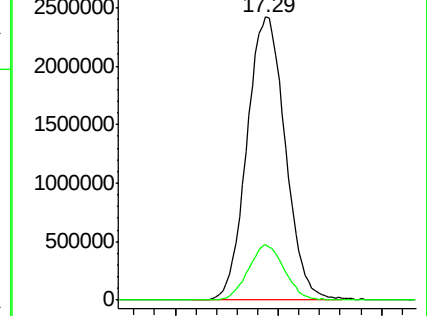
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.434 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

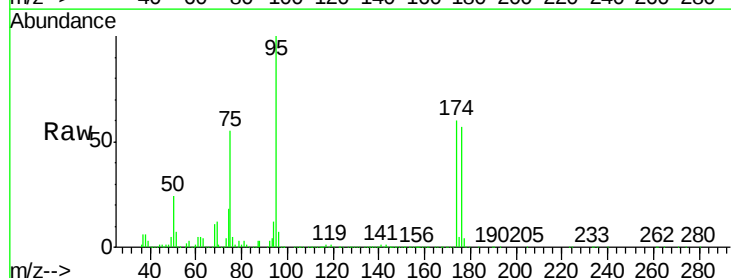
Tgt Ion: 95 Resp: 2496891

Ion Ratio Lower Upper

95 100

174 63.4 51.0 76.6

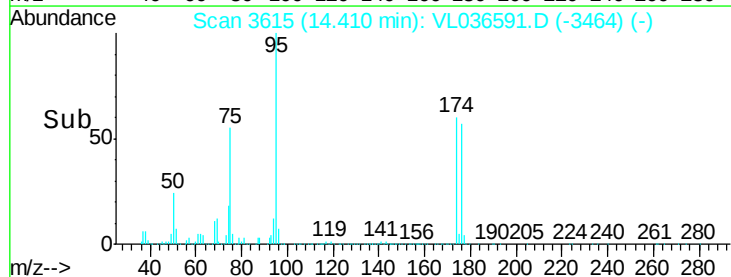
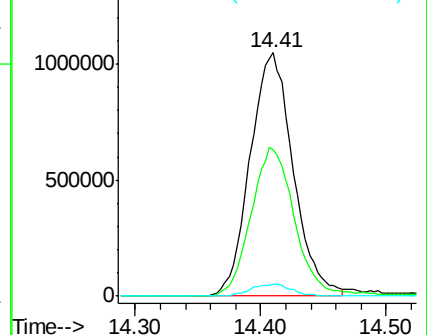
175 4.8 3.9 5.9

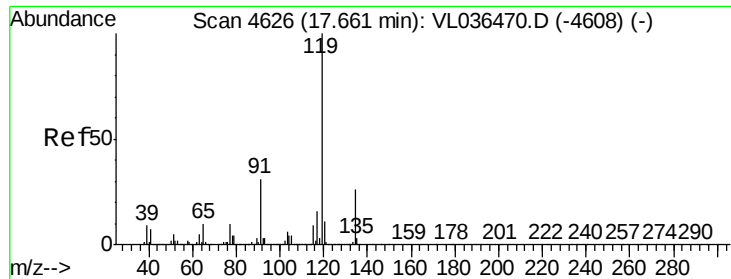


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





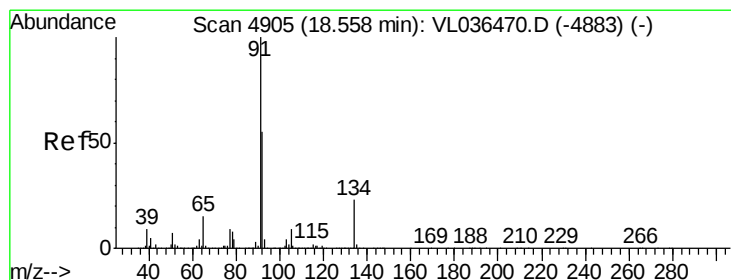
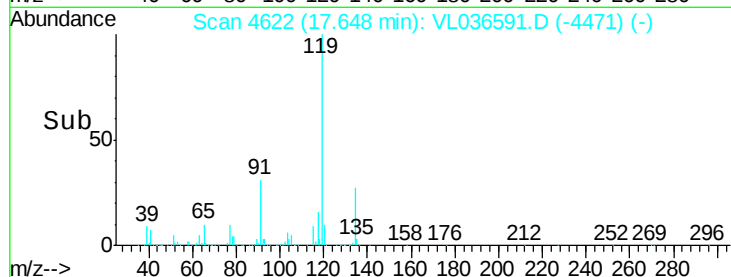
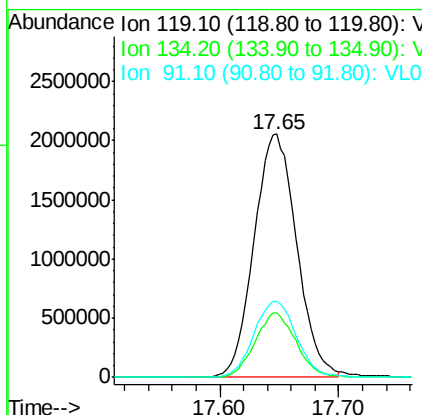
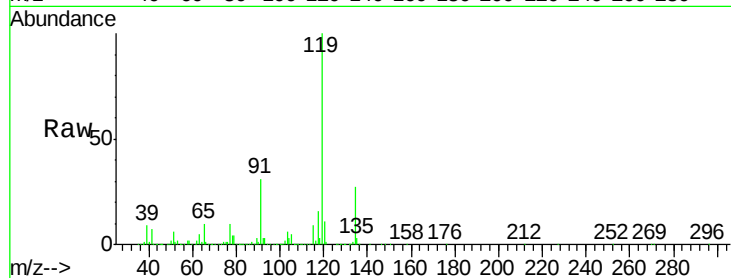
#69
 p-Isopropyltoluene
 Concen: 10.740 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	31.3	25.0	37.6

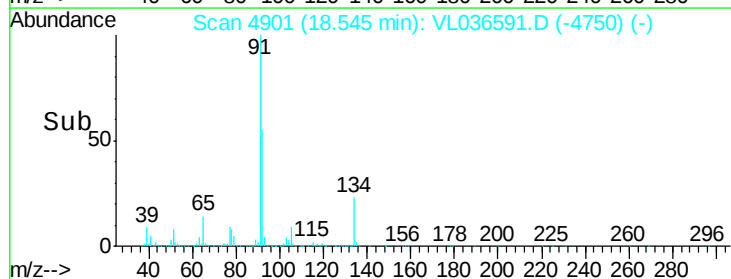
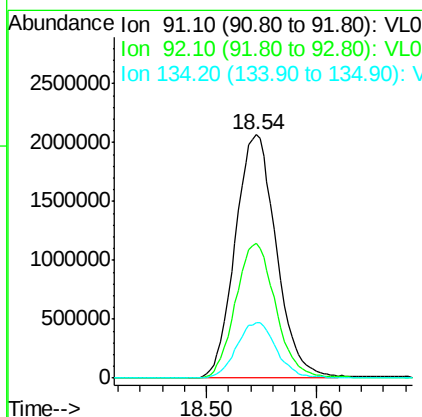
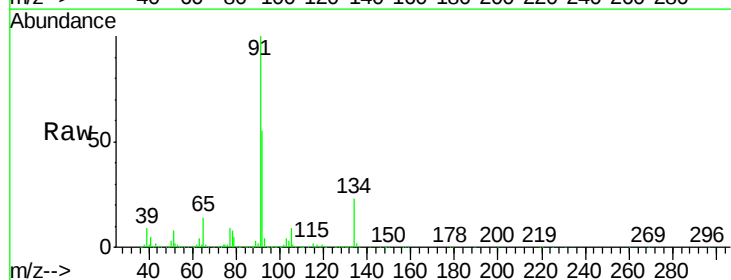
Manual Integrations
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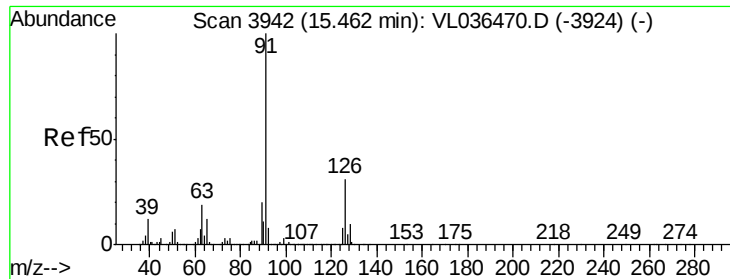
MMDadoda
 4/2/2021 6:51:51 PM



#70
 n-Butylbenzene
 Concen: 10.841 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.8
134	22.4	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.658 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3961836

Ion Ratio Lower Upper

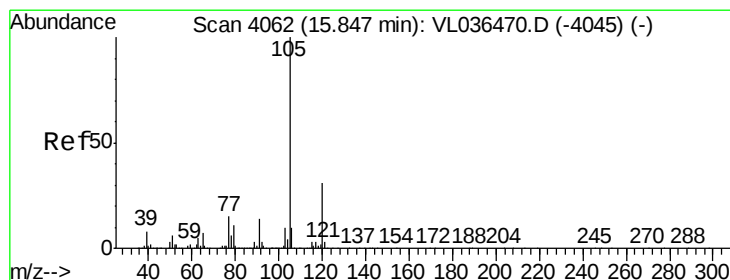
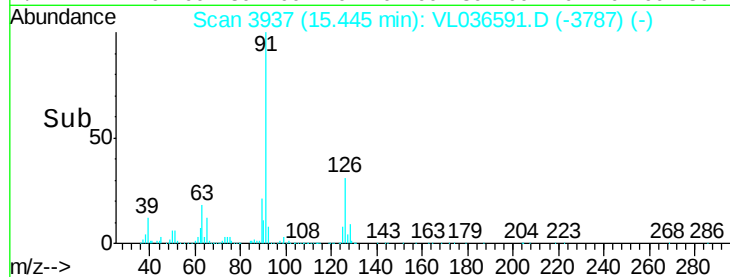
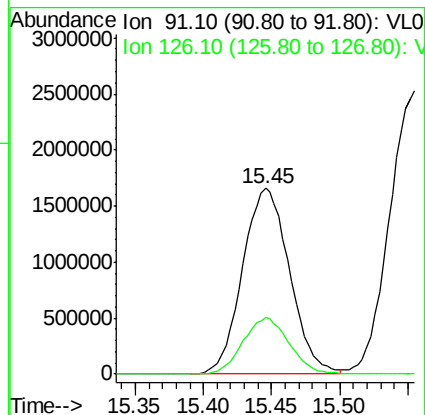
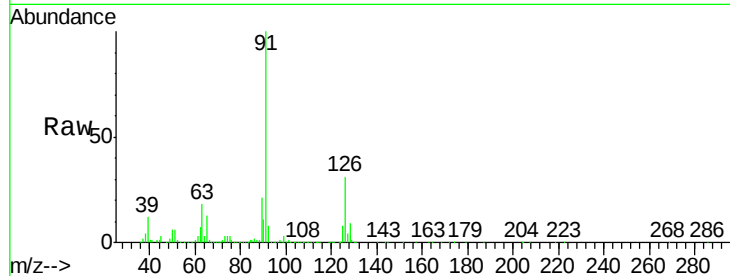
91 100

126 30.3 12.1 48.5

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.863 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion: 105 Resp: 4384906

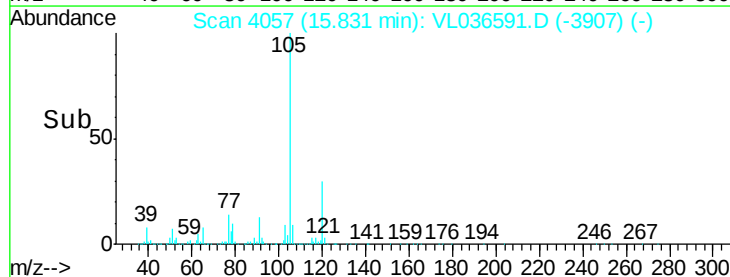
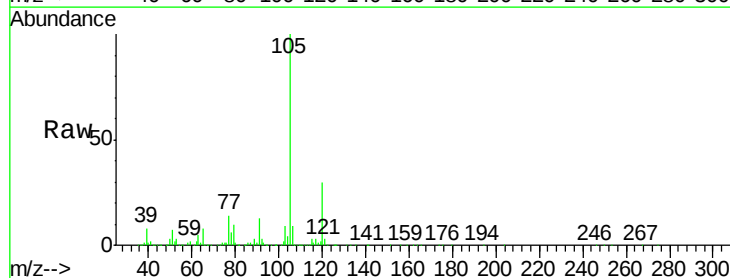
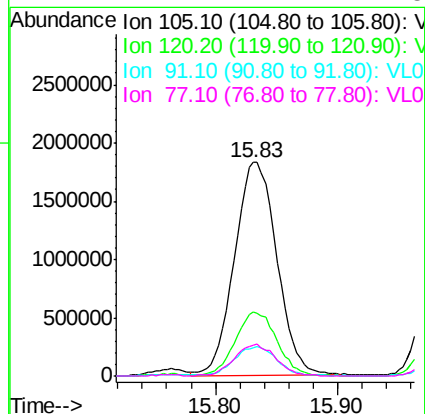
Ion Ratio Lower Upper

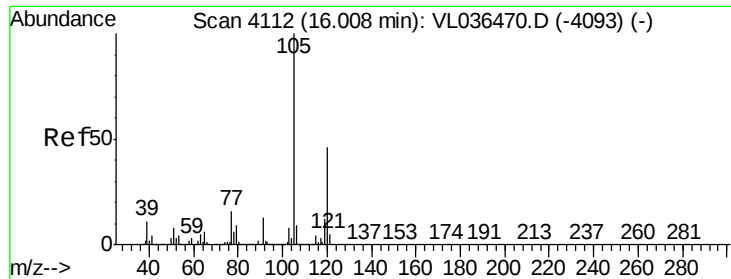
105 100

120 29.5 24.0 36.0

91 14.4 11.0 16.4

77 14.7 11.7 17.5





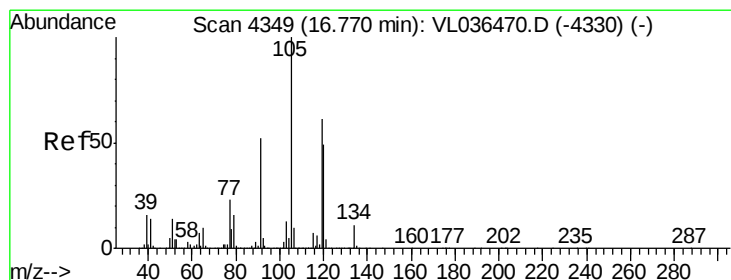
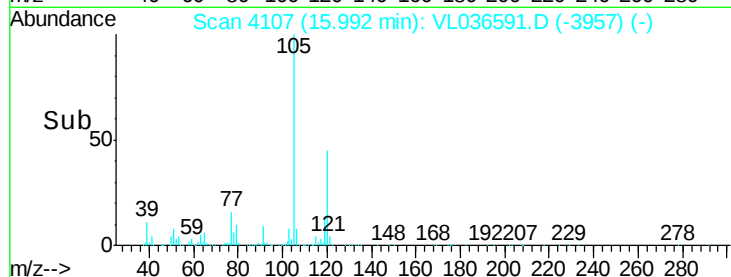
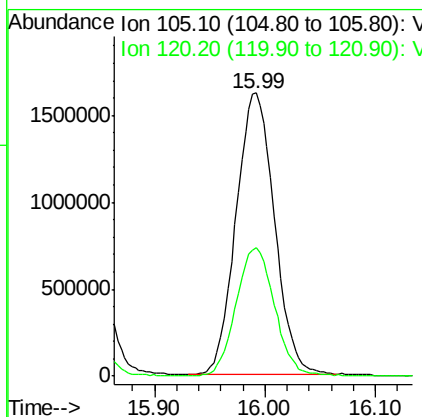
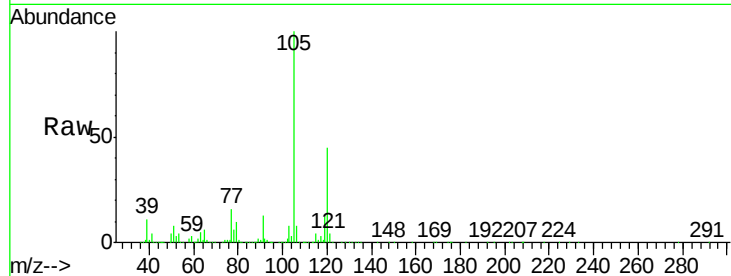
#73
 1,3,5-Trimethylbenzene
 Concen: 10.386 ppbv
 RT: 15.99 min Scan# 4107
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3912993
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.6 54.8

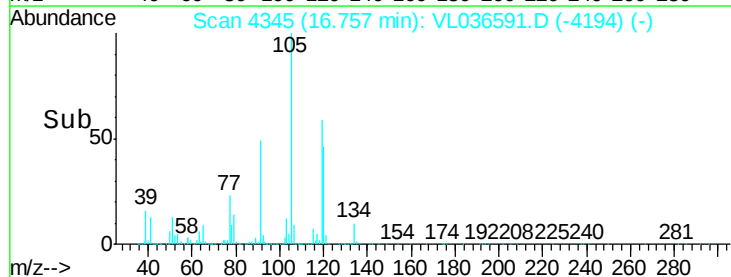
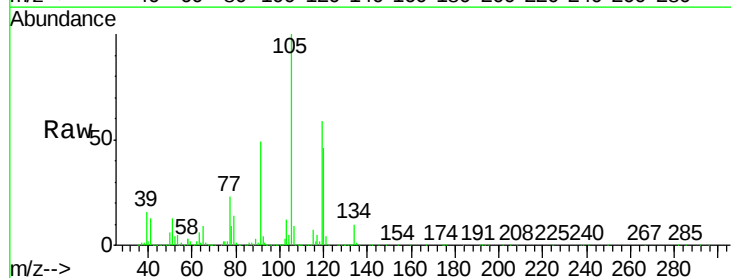
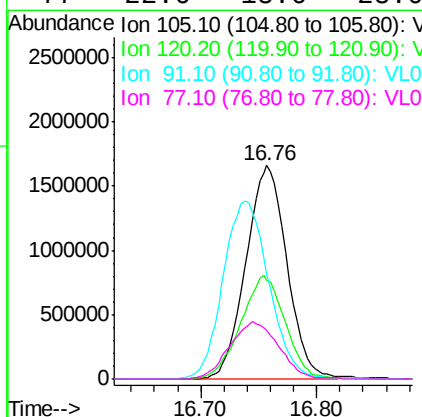
Manual Integrations
 APPROVED

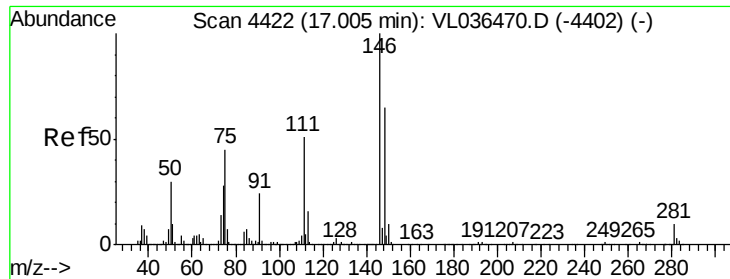
MMDadoda
 4/2/2021 6:51:51 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.095 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion:105 Resp: 4070267
 Ion Ratio Lower Upper
 105 100
 120 46.2 39.2 58.8
 91 48.5 42.6 64.0
 77 22.6 18.6 28.0





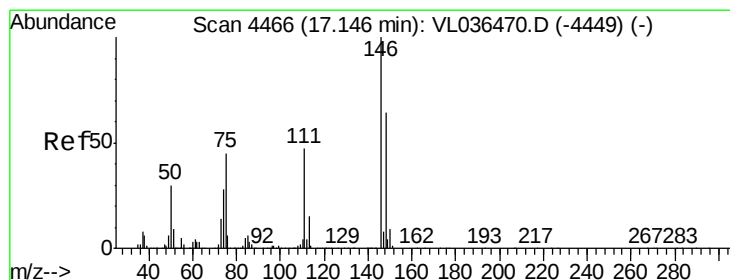
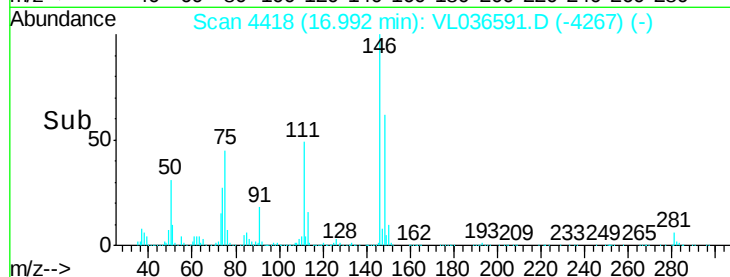
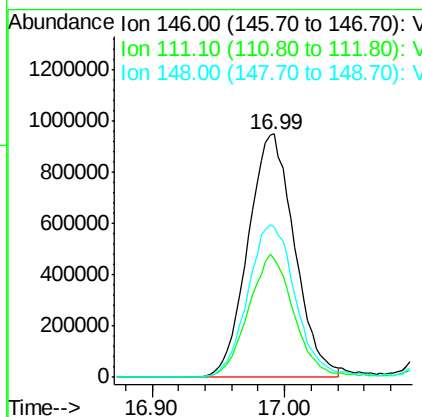
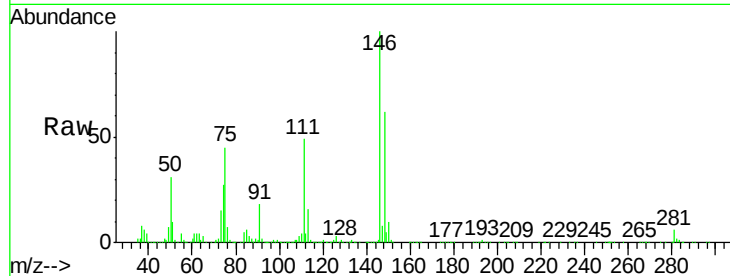
#75
 1,3-Dichlorobenzene
 Concen: 10.245 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2325007
 Ion Ratio Lower Upper
 146 100
 111 49.5 24.5 73.5
 148 64.6 32.3 96.9

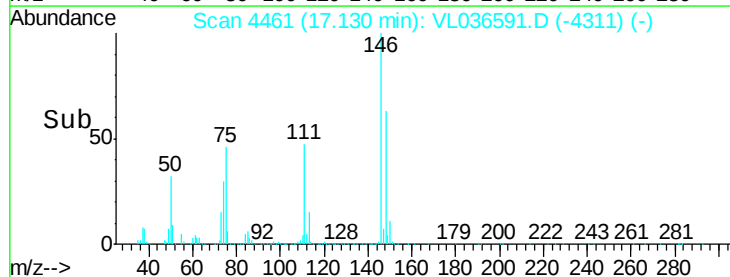
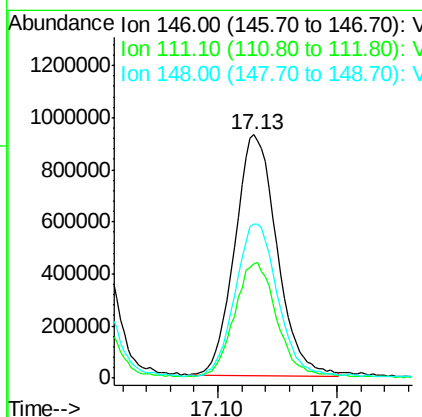
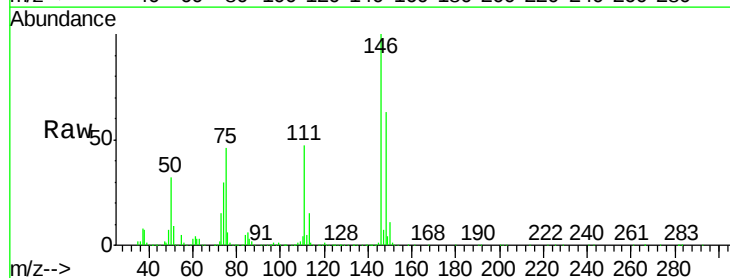
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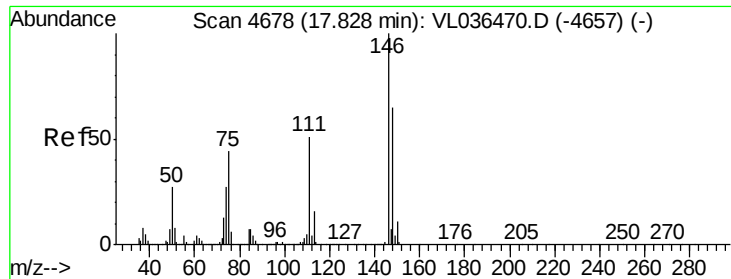
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#76
 1,4-Dichlorobenzene
 Concen: 10.082 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Tgt Ion:146 Resp: 2271816
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.3 72.8
 148 66.5 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 10.570 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

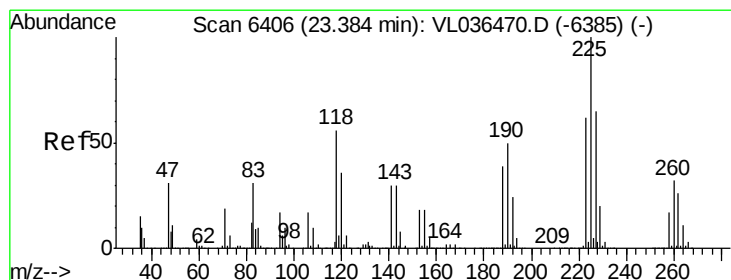
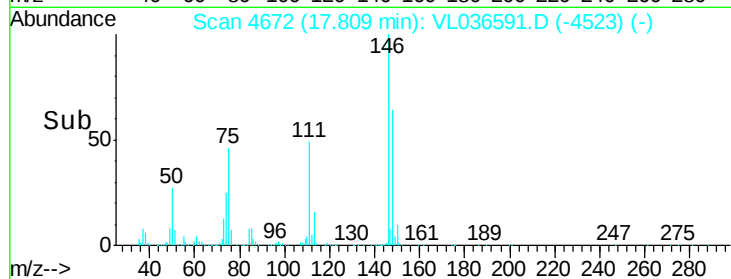
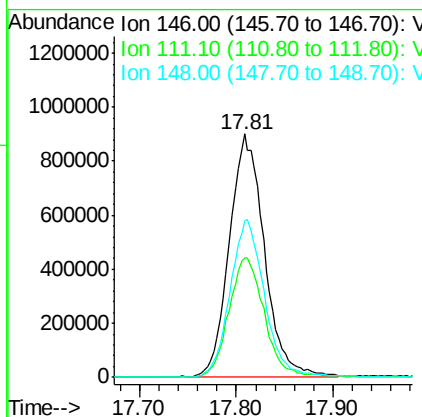
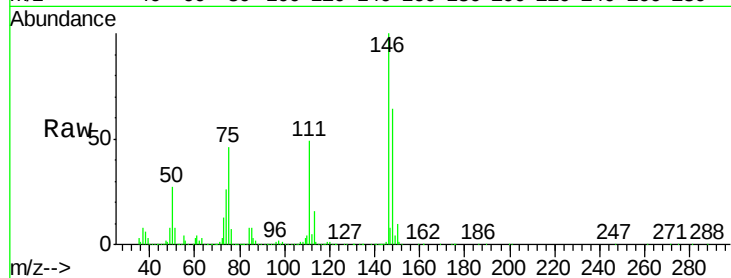
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	25.5	76.5
148	63.9	32.9	98.6

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#78

Hexachloro-1,3-Butadiene

Concen: 9.042 ppbv

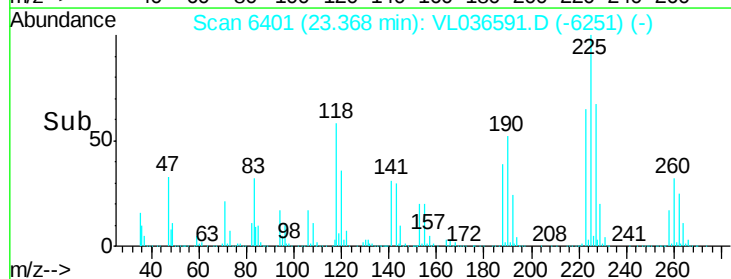
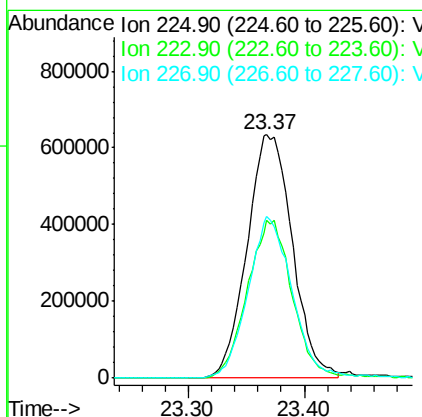
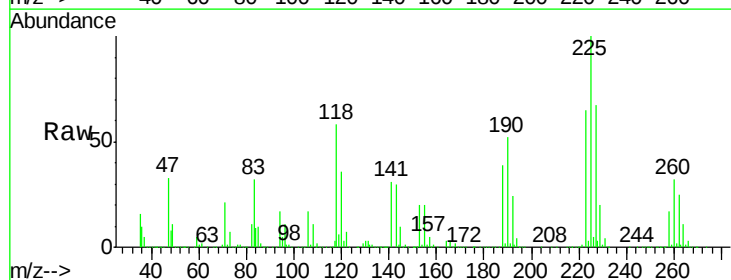
RT: 23.37 min Scan# 6401

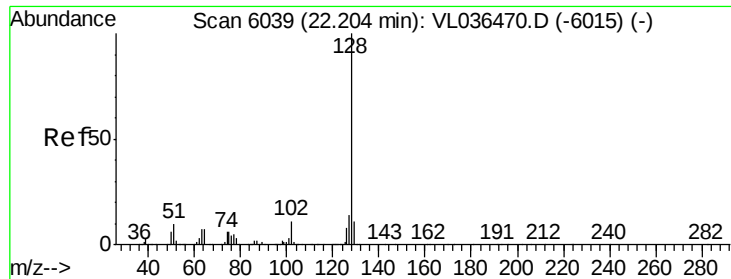
Delta R.T. -0.02 min

Lab File: VL036591.D

Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.6	75.8
227	65.1	52.2	78.2





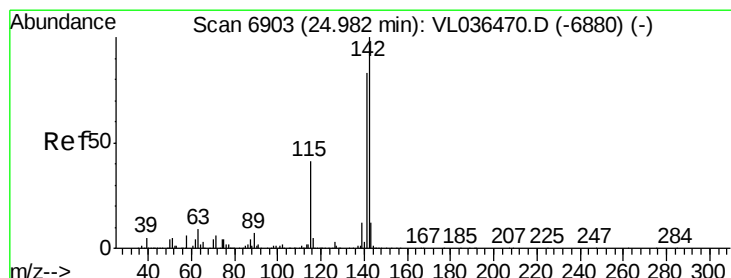
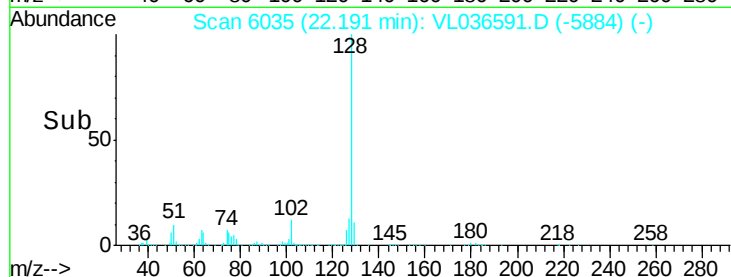
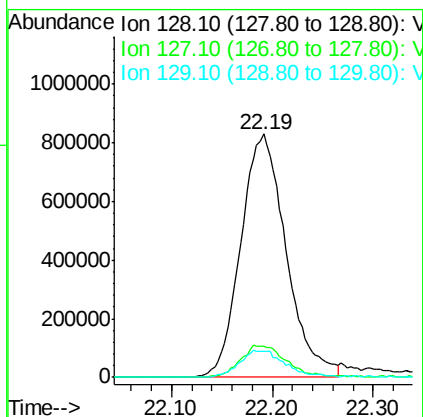
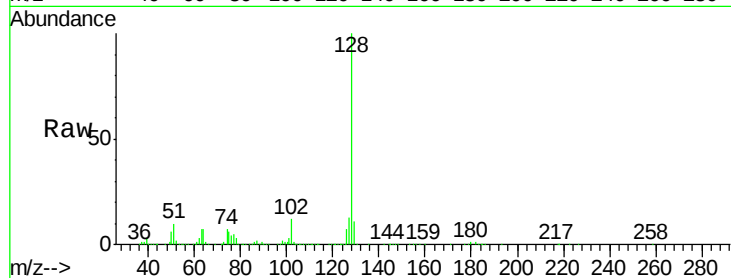
#79
Naphthalene
Concen: 10.994 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.9	16.3
129	10.7	9.0	13.4

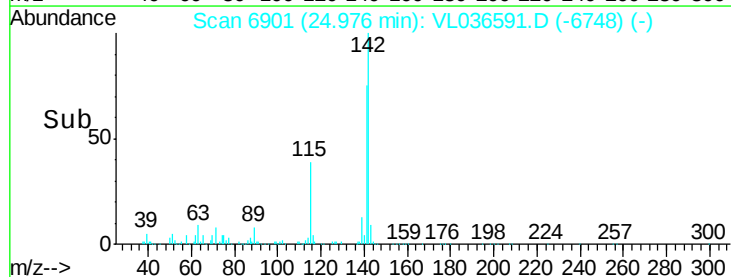
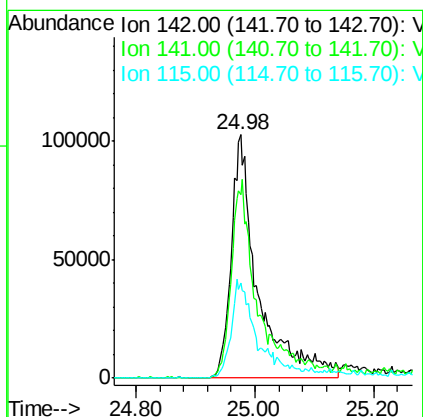
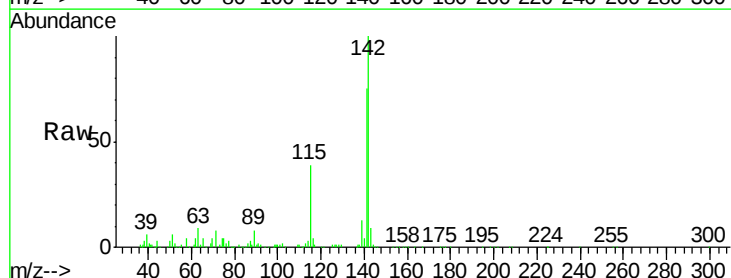
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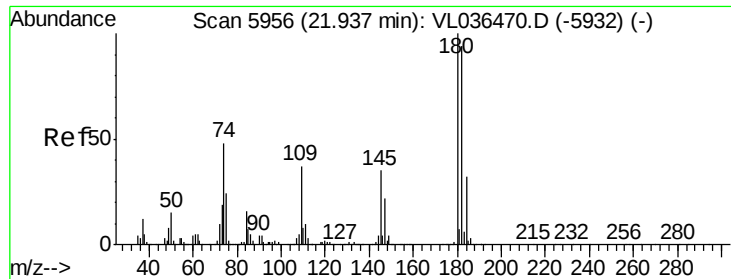
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#80
Naphthalene, 2-methyl-
Concen: 6.976 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL036591.D
Acq: 31 Mar 2021 5:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.2	67.8	101.8
115	40.1	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.010 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL036591.D
 Acq: 31 Mar 2021 5:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	80.8	121.2
184	32.7	25.0	37.4

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