

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036627.D
 Acq On : 1 Apr 2021 8:52
 Operator : SY/AP
 Sample : VL0401ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:59 PM

Quant Time: Apr 01 11:23:42 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	5.68	49	1532290	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3664755	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3332182m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2770117	10.43	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2028681	8.117 ppbv	98
3) Chlorodifluoromethane	2.99	51	2520910	8.806 ppbv	99
4) Chloromethane	3.15	50	820434	8.113 ppbv	99
5) Vinyl Chloride	3.27	62	795921	7.655 ppbv	96
6) Bromomethane	3.48	94	420545	7.346 ppbv	99
7) Chloroethane	3.56	64	273656	7.659 ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	1921575	8.056 ppbv	99
9) Propene	3.01	41	769685	8.433 ppbv	98
10) Heptane	8.14	43	2039796	8.773 ppbv	99
11) Trichlorofluoromethane	3.96	101	1896243	7.445 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1222188	7.505 ppbv	100
13) Ethanol	3.61	45	80374m	7.395 ppbv	
14) Bromoethene	3.74	108	524451	7.747 ppbv	99
15) Acetone	3.86	43	1130393	7.495 ppbv	97
16) 1,3-Butadiene	3.33	39	835086	7.953 ppbv	98
17) tert-Butyl alcohol	4.30	59	942343m	7.178 ppbv	
18) 1,1-Dichloroethene	4.30	96	534700	7.382 ppbv	99
19) Isopropyl Alcohol	3.98	45	544995m	6.569 ppbv	
20) Methylene Chloride	4.36	84	500543m	7.089 ppbv	
21) Allyl Chloride	4.42	41	893490	7.432 ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	512806	7.636 ppbv	93
23) Vinyl Acetate	5.08	43	2069170	8.021 ppbv	100
24) 1,1-Dichloroethane	5.02	63	1508660	8.023 ppbv	98
25) Ethyl Acetate	5.69	43	2947540	8.221 ppbv	100
26) Hexane	5.70	57	1418518	8.525 ppbv	97
27) Carbon Disulfide	4.56	76	1325753	8.088 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1454155	7.411 ppbv	98
29) Chloroform	5.76	83	2291783	8.613 ppbv	98
30) Cyclohexane	7.14	84	1188265	8.806 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1376568	8.554 ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	2255398	8.410 ppbv	99
34) 2-Butanone	5.26	43	1387772	7.758 ppbv	99
35) Carbon Tetrachloride	7.03	117	2391509	8.496 ppbv	99
36) Benzene	6.91	78	2900722	8.582 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1711504	8.604 ppbv	100
38) Trichloroethene	7.85	130	1030277	7.833 ppbv	96
39) 1,2-Dichloropropane	7.63	63	1162242	8.477 ppbv	97
40) 1,4-Dioxane	7.85	88	232257m	7.279 ppbv	
41) Tetrahydrofuran	6.07	42	600772m	7.284 ppbv	
42) Bromodichloromethane	7.81	83	2429228	8.978 ppbv	99
43) Methyl Methacrylate	8.03	69	1118975	9.859 ppbv	97

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Quant Time: Apr 01 11:23:42 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
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5020645	8.440	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	983722	7.591	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1292297	7.801	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1191084	8.577	ppbv	98
48) Dibromochloromethane	10.32	129	1958950	9.254	ppbv	99
49) Bromoform	13.06	173	1580485	9.266	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2127352	8.219	ppbv	100
51) 2-Hexanone	10.16	43	1173726	8.986	ppbv #	100
52) Tetrachloroethene	11.24	164	970522	7.798	ppbv	97
53) Toluene	9.82	91	3255096	9.044	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1660891	8.469	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.14	131	1386781	9.201	ppbv	98
57) Chlorobenzene	12.17	112	2408105	8.493	ppbv	100
58) Ethyl Benzene	12.73	91	4438894	9.156	ppbv	97
59) m/p-Xylene	13.01	91	7549157m	17.853	ppbv	
60) o-Xylene	13.71	91	3572554	8.738	ppbv	100
61) Styrene	13.55	104	1926569	9.366	ppbv	99
62) Isopropylbenzene	14.69	105	4857866	8.823	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2590180	8.305	ppbv	100
64) n-propylbenzene	15.58	120	1284854	9.545	ppbv	96
65) tert-Butylbenzene	16.76	119	4222362	8.844	ppbv	98
66) Benzyl Chloride	17.01	91	501882	9.511	ppbv	99
67) sec-Butylbenzene	17.31	105	5988297	8.886	ppbv	100
69) p-Isopropyltoluene	17.67	119	4926775	9.362	ppbv	100
70) n-Butylbenzene	18.57	91	5160785	9.458	ppbv	99
71) 2-Chlorotoluene	15.47	91	3833028	9.291	ppbv	99
72) 4-Ethyltoluene	15.86	105	4137244	9.235	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	3746183	8.959	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3849764	8.603	ppbv #	89
75) 1,3-Dichlorobenzene	17.01	146	2240684	8.896	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2154797	8.617	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2143662	9.055	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1680284	7.925	ppbv	99
79) Naphthalene	22.22	128	2407328	9.220	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	217804m	4.230	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	1513572	9.389	ppbv	98

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



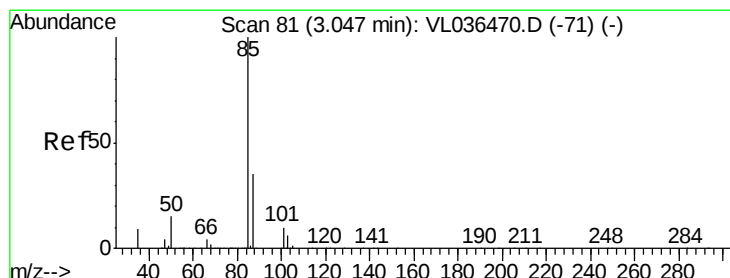
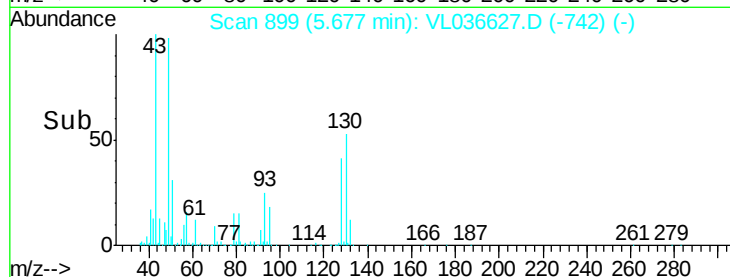
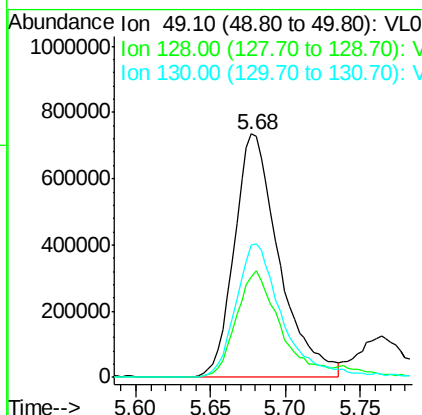
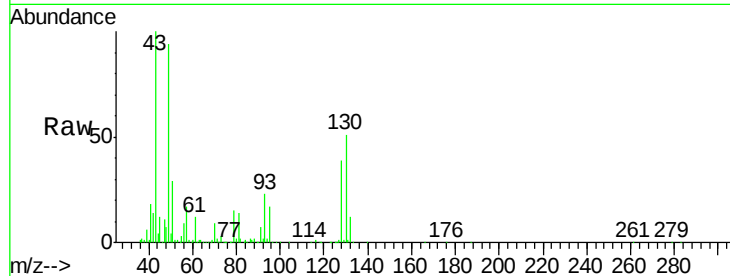
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
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VL0401ABS01

Tot Ion: 49 Resp: 1532290
Ion Ratio Lower Upper
49 100
128 46.3 23.5 70.6
130 57.7 29.1 87.4

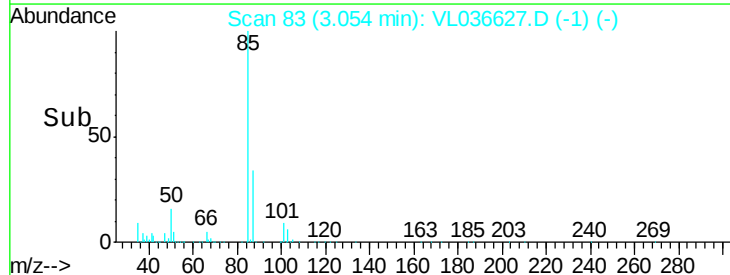
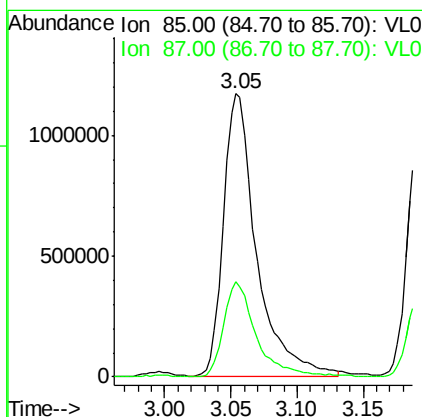
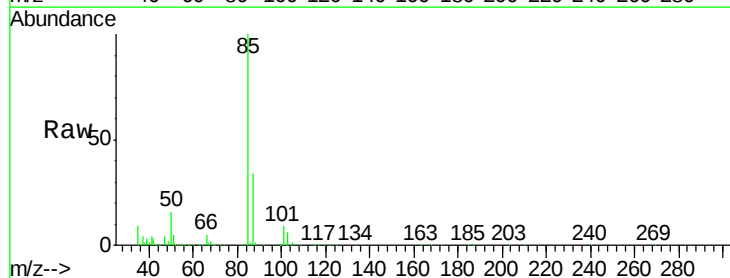
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#2
Dichlorodifluoromethane
Concen: 8.117 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion: 85 Resp: 2028681
Ion Ratio Lower Upper
85 100
87 33.6 27.8 41.8





#3

Chlorodifluoromethane

Concen: 8.806 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Tot Ion: 51 Resp: 2520910

Ion Ratio Lower Upper

51 100

67 18.7 14.7 22.1

Instrument :

MSVOA_L

ClientSampleId :

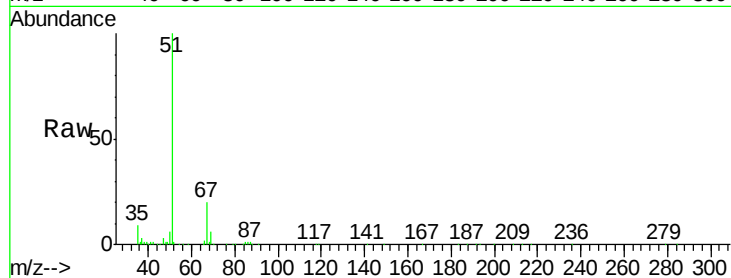
VL0401ABS01

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

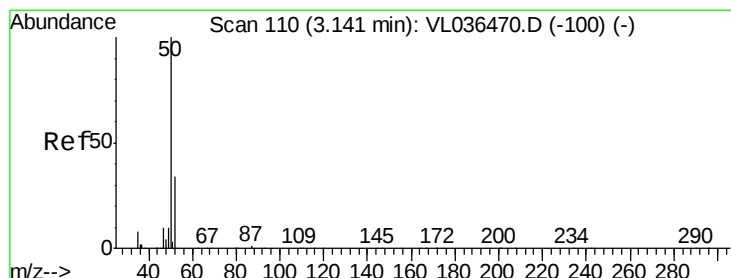
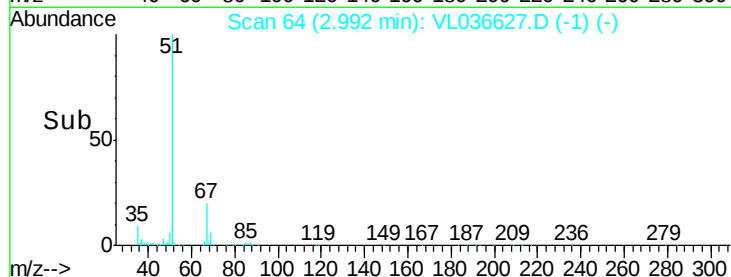
1500000

1000000

500000

0

Time--> 2.80 2.90 3.00 3.10



#4

Chloromethane

Concen: 8.113 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036627.D

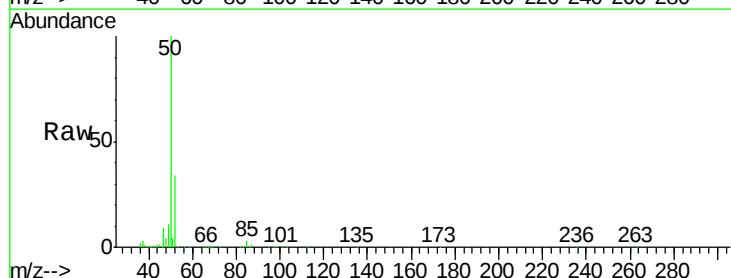
Acq: 1 Apr 2021 8:52

Tgt Ion: 50 Resp: 820434

Ion Ratio Lower Upper

50 100

52 34.3 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.15

500000

400000

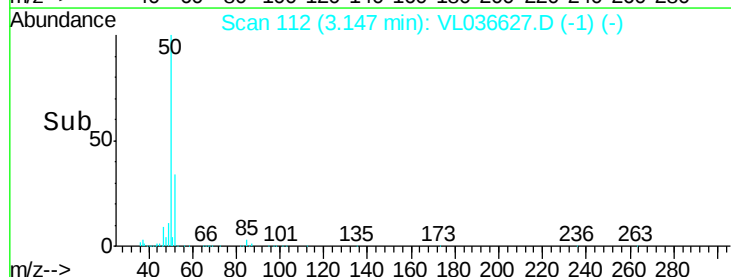
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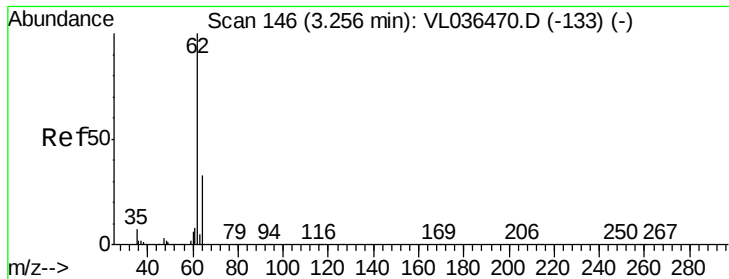
200000

100000

0

Time--> 3.10 3.15





#5

Vinyl Chloride

Concen: 7.655 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 62 Resp: 795921

Ion Ratio Lower Upper

62 100

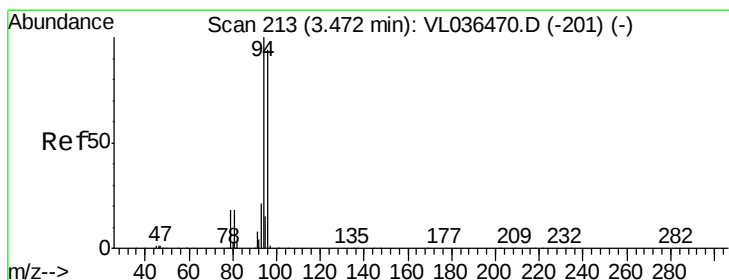
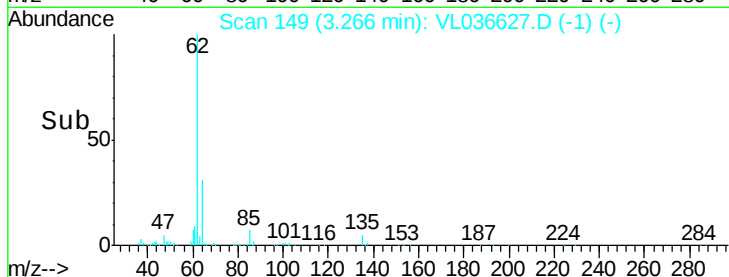
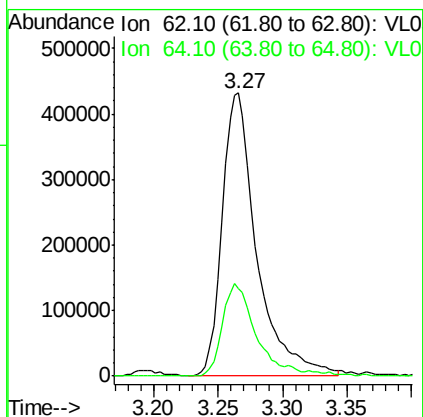
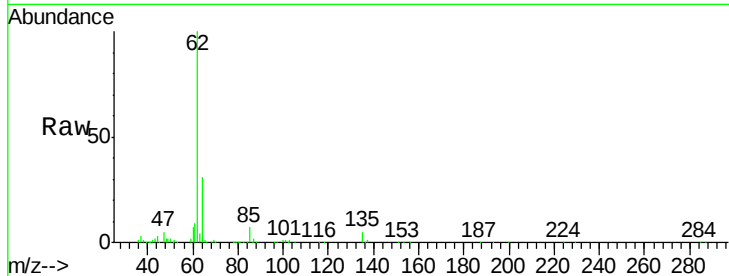
64 30.9 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 7.346 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036627.D

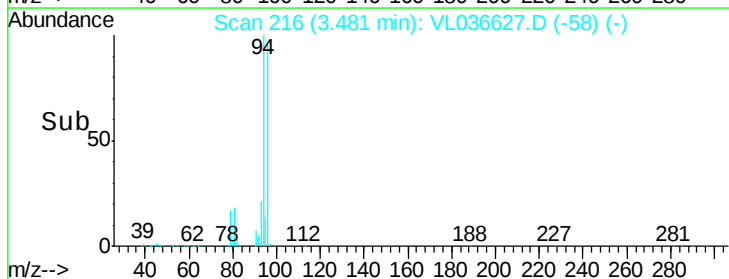
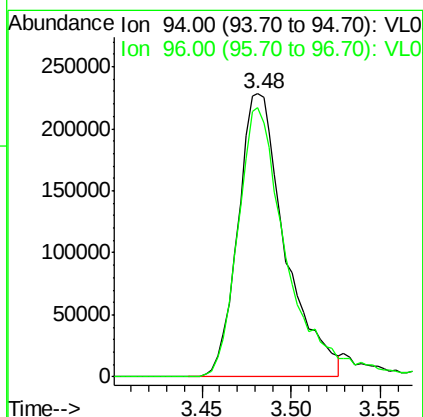
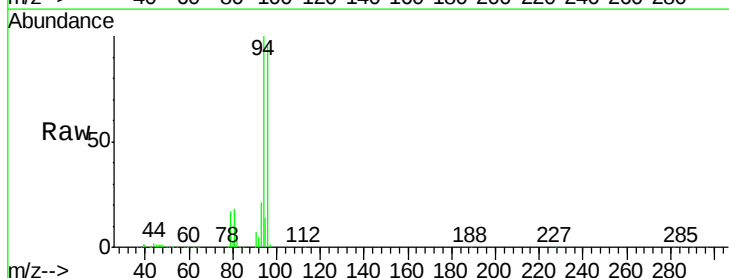
Acq: 1 Apr 2021 8:52

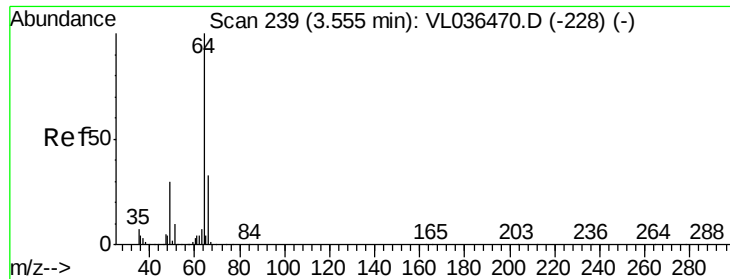
Tgt Ion: 94 Resp: 420545

Ion Ratio Lower Upper

94 100

96 95.0 74.9 112.3





#7

Chloroethane

Concen: 7.659 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 64 Resp: 273656

Ion Ratio Lower Upper

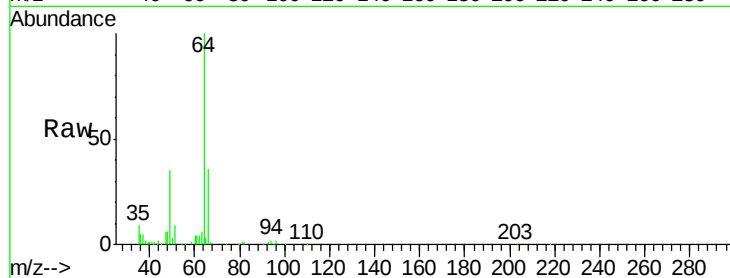
64 100

66 35.6 26.2 39.2

Manual Integrations
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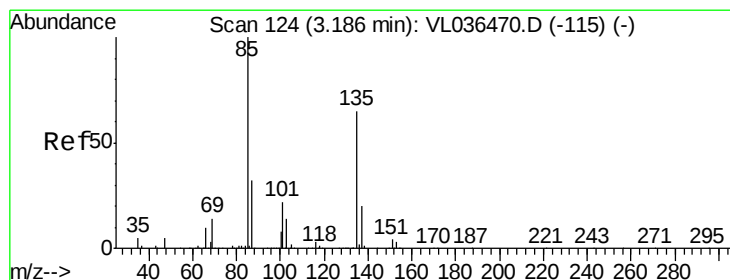
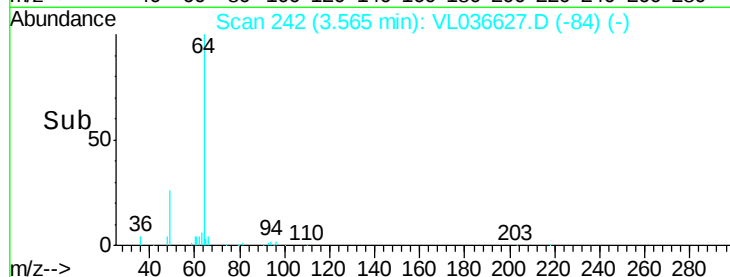
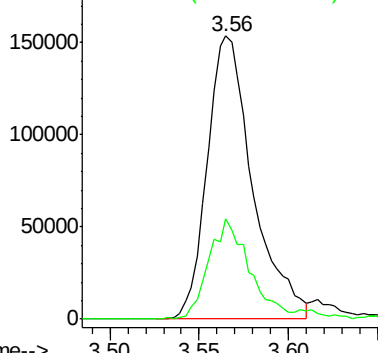
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.056 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036627.D

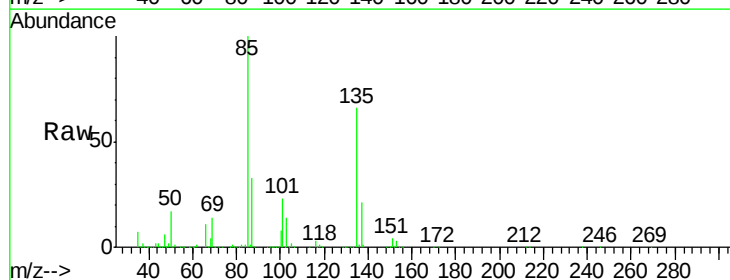
Acq: 1 Apr 2021 8:52

Tgt Ion: 85 Resp: 1921575

Ion Ratio Lower Upper

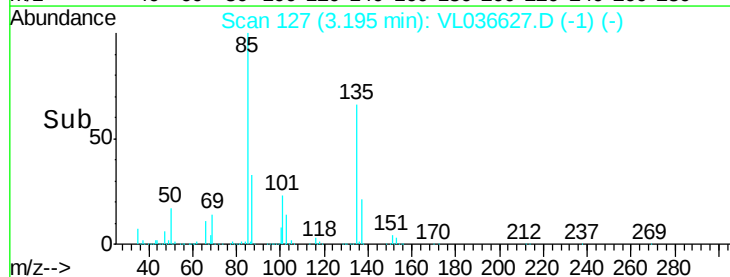
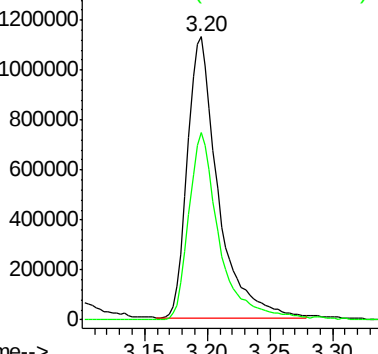
85 100

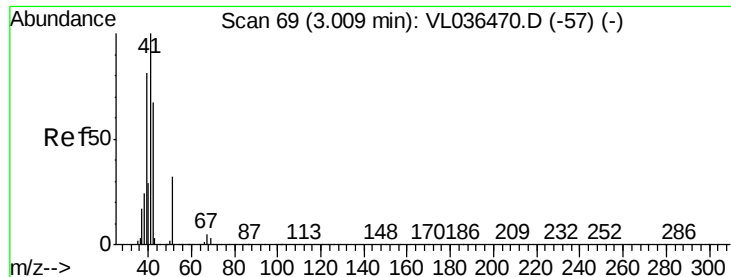
135 67.3 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.433 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036627.D

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ClientSampleId :

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Tot Ion: 41 Resp: 769685

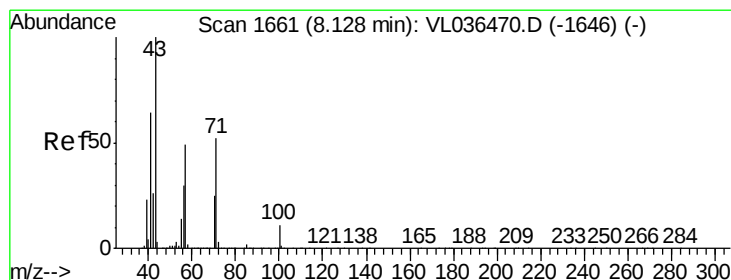
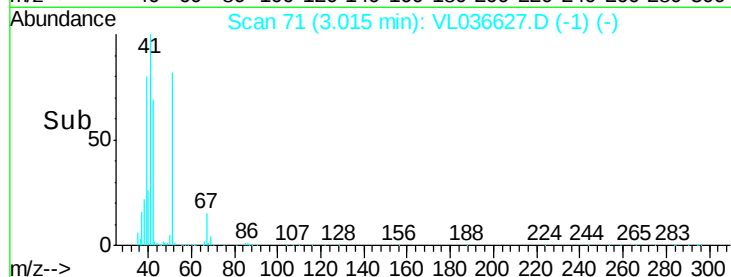
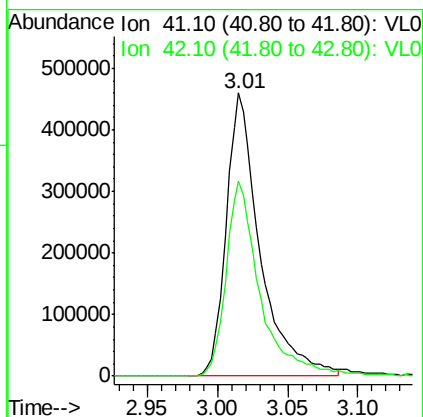
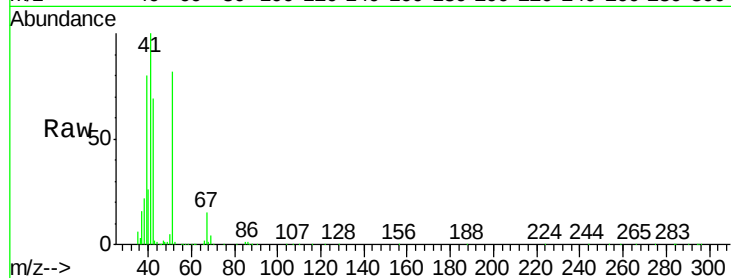
Ion Ratio Lower Upper

41 100

42 69.5 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 8.773 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL036627.D

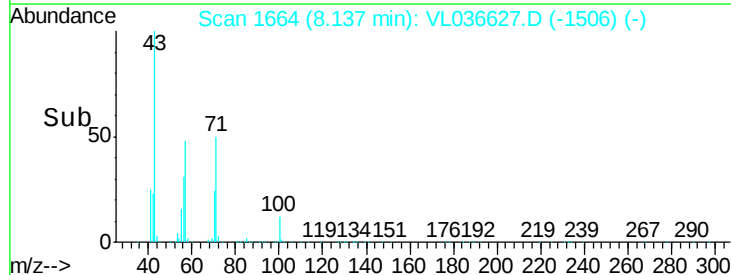
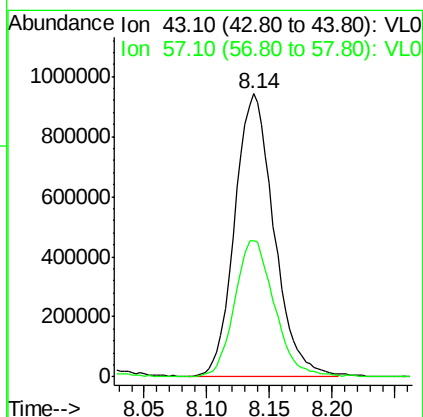
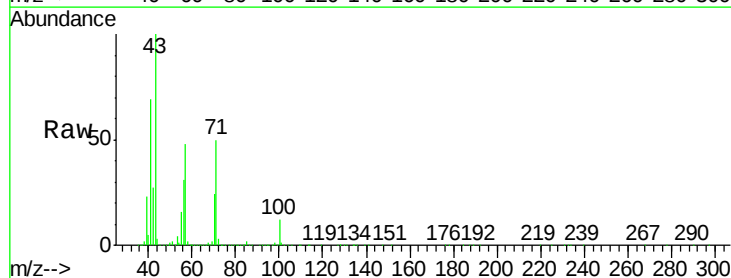
Acq: 1 Apr 2021 8:52

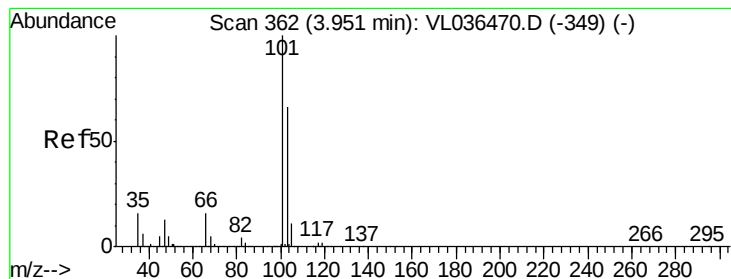
Tgt Ion: 43 Resp: 2039796

Ion Ratio Lower Upper

43 100

57 49.2 39.0 58.6





#11

Trichlorofluoromethane

Concen: 7.445 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion:101 Resp: 1896243

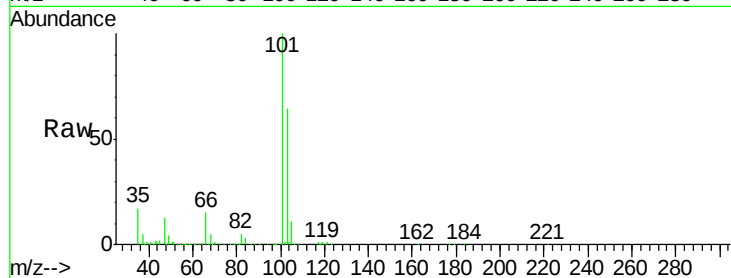
Ion Ratio Lower Upper

101 100

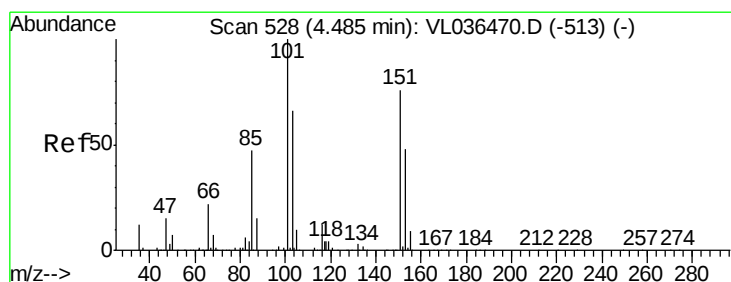
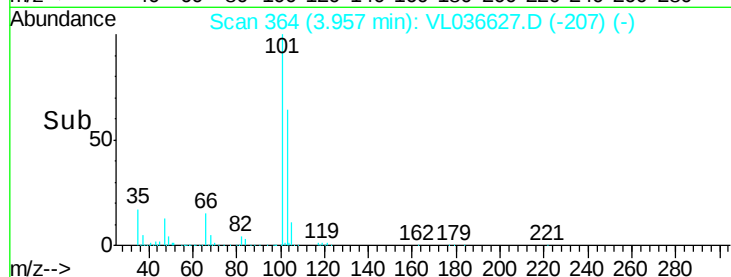
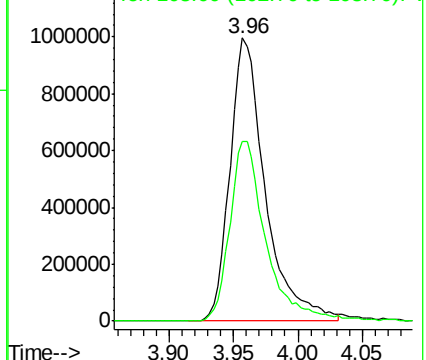
103 63.7 52.5 78.7

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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: 7.505 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL036627.D

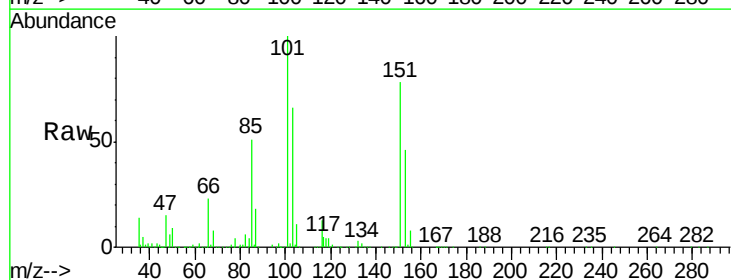
Acq: 1 Apr 2021 8:52

Tgt Ion:101 Resp: 1222188

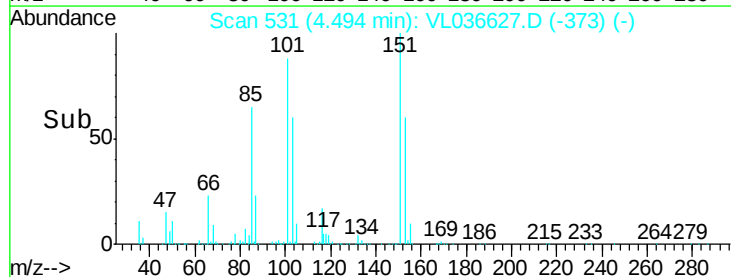
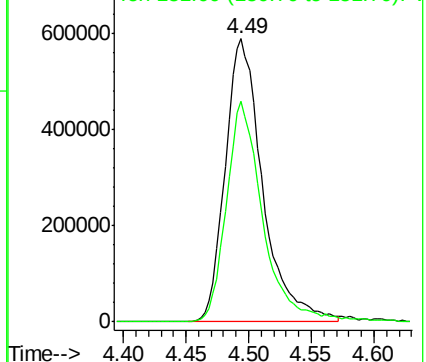
Ion Ratio Lower Upper

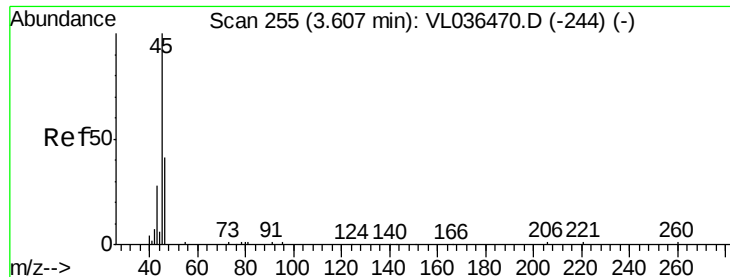
101 100

151 76.5 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 151.00 (150.70 to 151.70): V





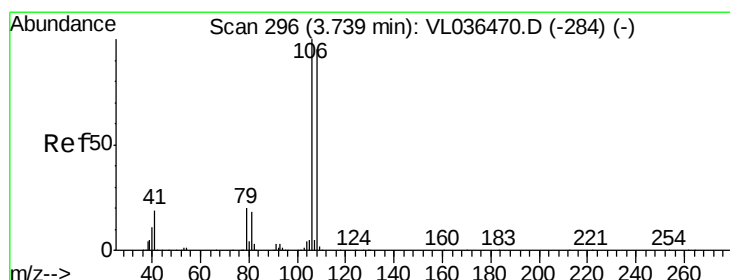
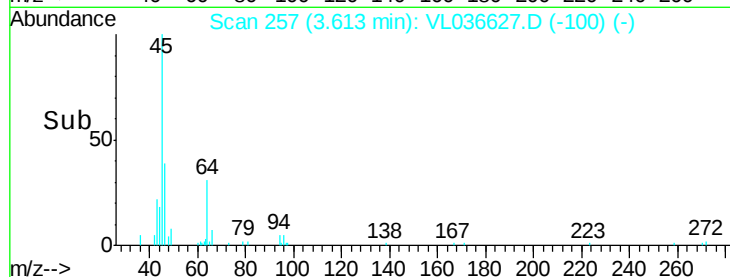
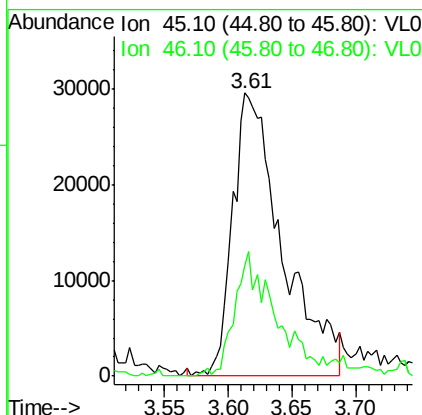
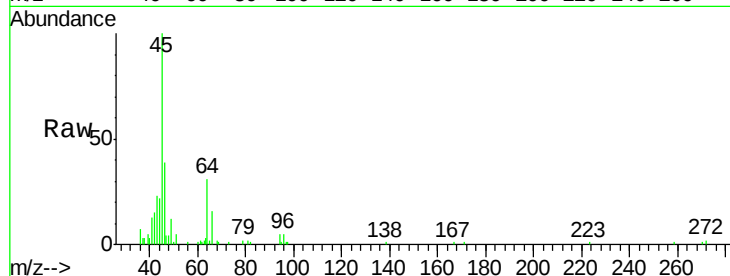
#13
Ethanol
Concen: 7.395 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.8	16.6	66.2

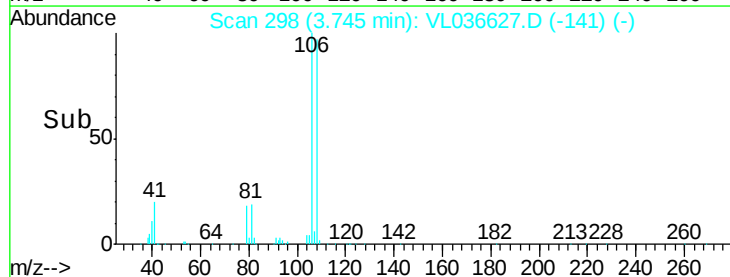
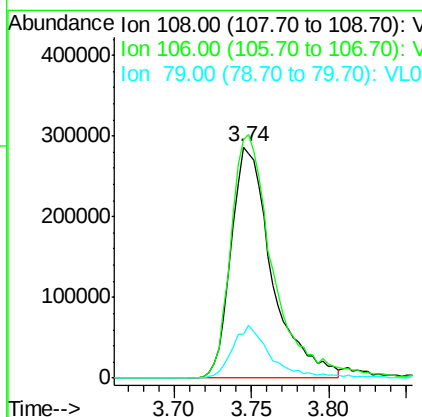
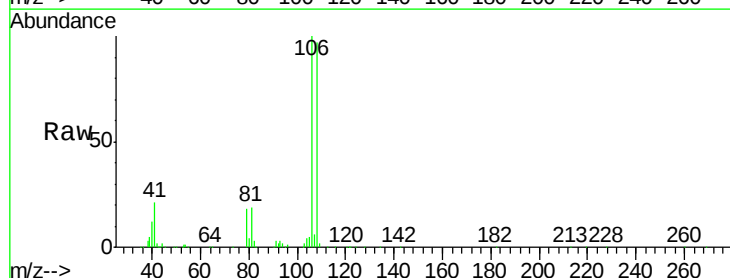
Manual Integrations
APPROVED

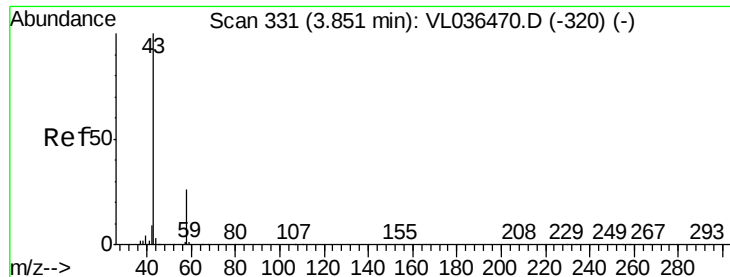
MMDadoda
4/2/2021 6:54:59 PM



#14
Bromoethene
Concen: 7.747 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.0	89.0	133.6
79	22.1	16.6	25.0





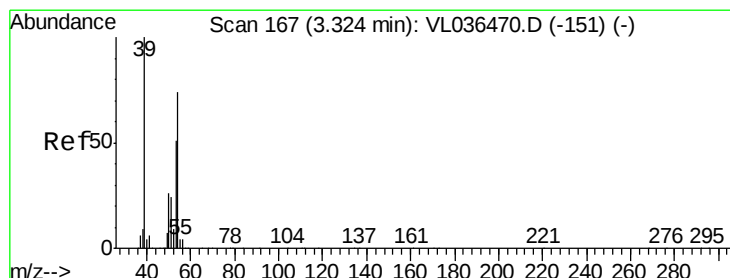
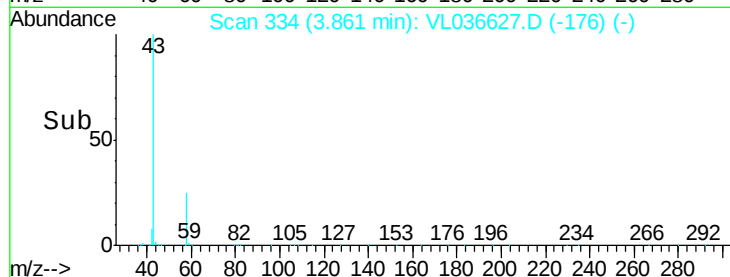
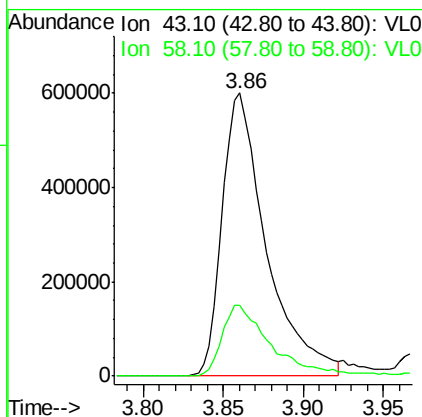
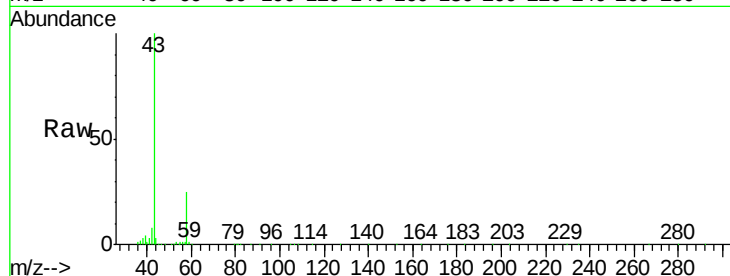
#15
Acetone
Concen: 7.495 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 43 Resp: 1130393
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8

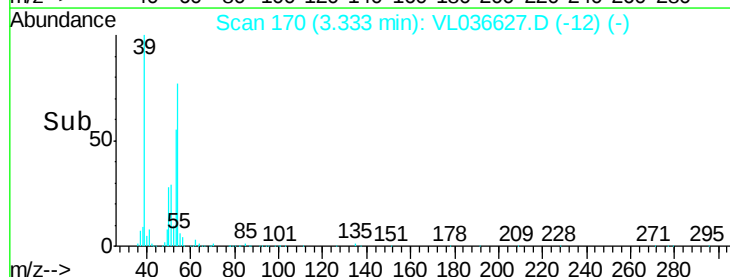
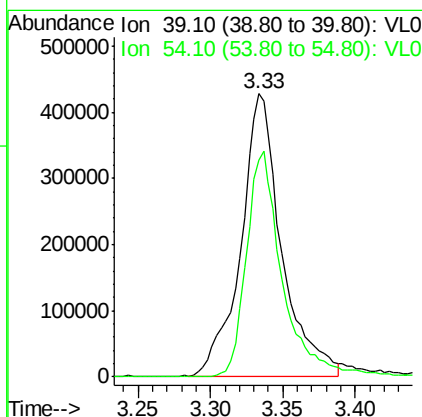
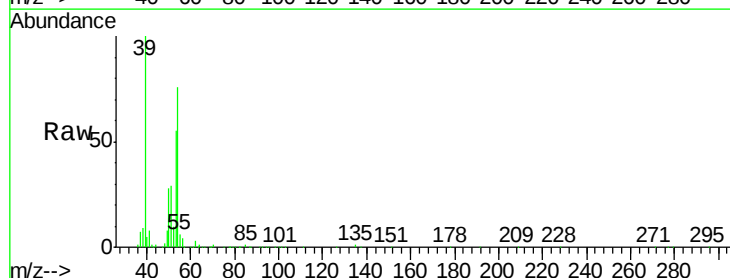
Manual Integrations
APPROVED

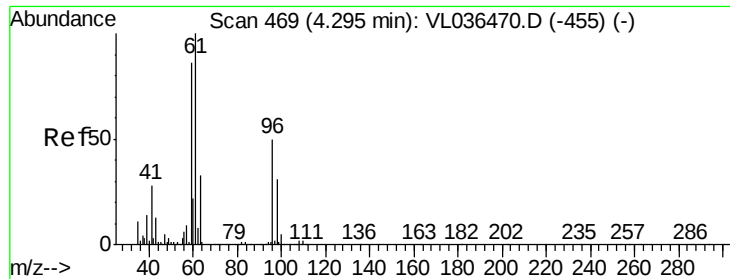
MMDadoda
4/2/2021 6:54:59 PM



#16
1,3-Butadiene
Concen: 7.953 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion: 39 Resp: 835086
Ion Ratio Lower Upper
39 100
54 71.8 58.8 88.2





#17

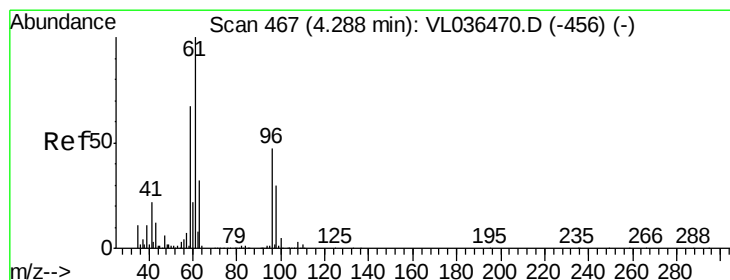
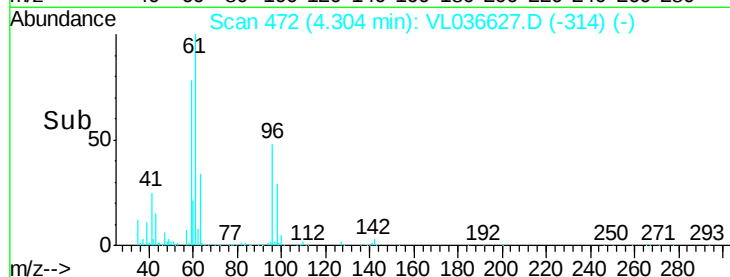
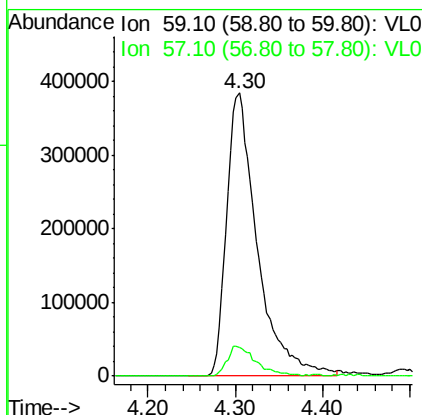
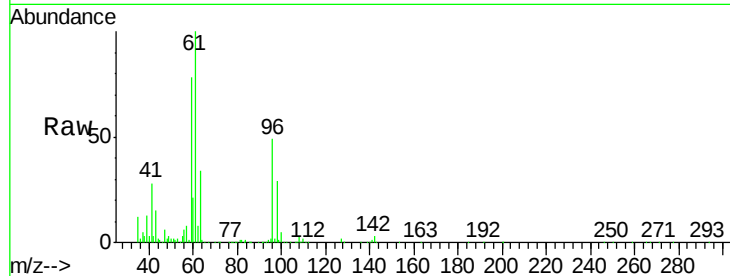
tert-Butyl alcohol
Concen: 7.178 ppbv m
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
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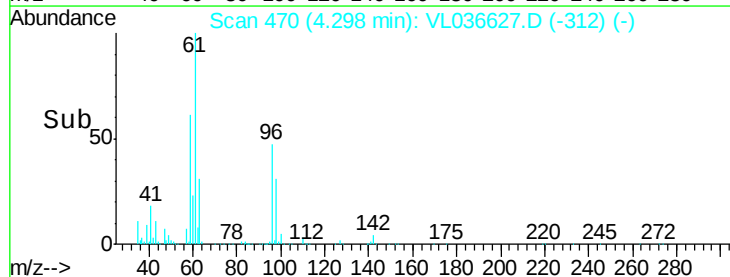
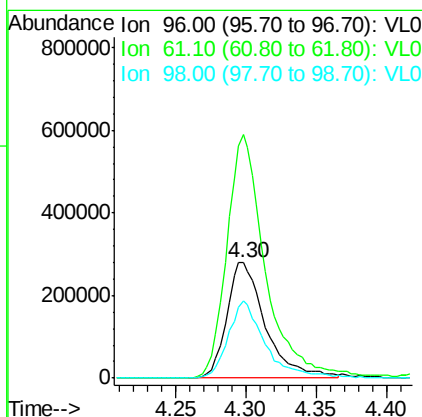
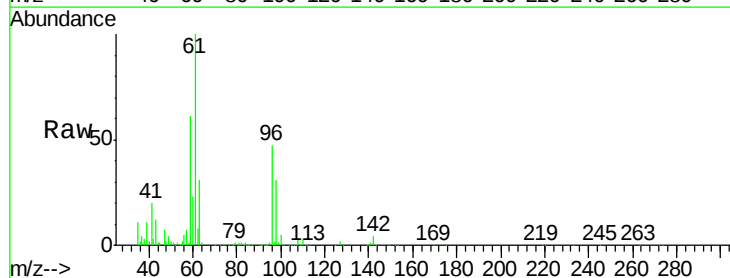
MMDadoda
4/2/2021 6:54:59 PM

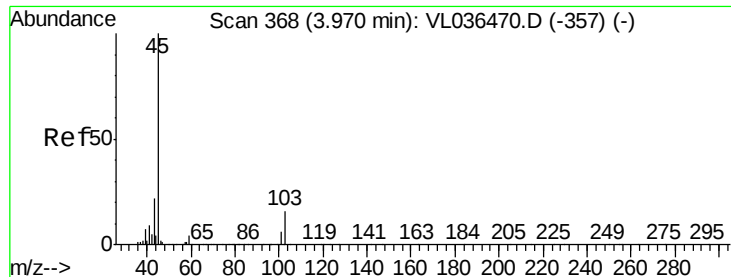


#18

1,1-Dichloroethene
Concen: 7.382 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	210.8	168.6	253.0
98	66.4	50.8	76.2





#19

Isopropyl Alcohol

Concen: 6.569 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampled :

VL0401ABS01

Tot Ion: 45 Resp: 544995

Ion Ratio Lower Upper

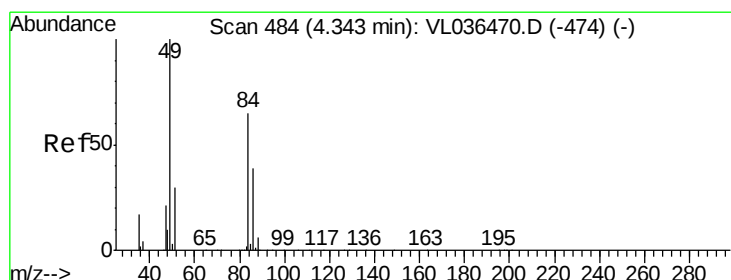
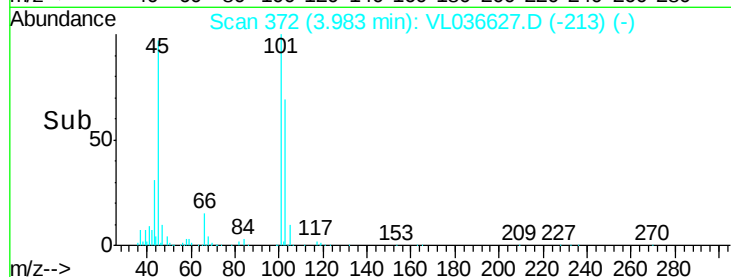
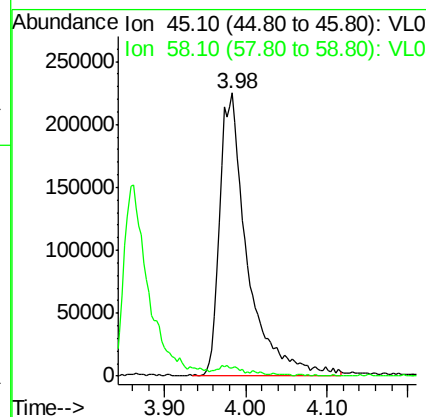
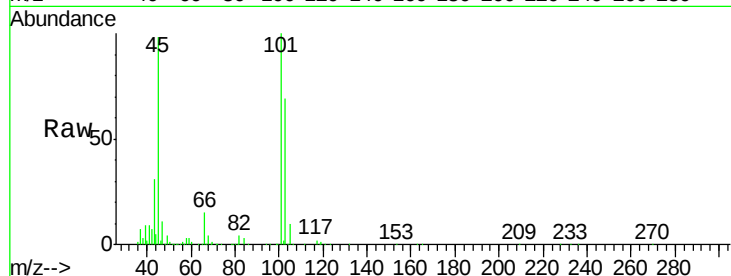
45 100

58 5.2 2.9 4.3#

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#20

Methylene Chloride

Concen: 7.089 ppbv m

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Tgt Ion: 84 Resp: 500543

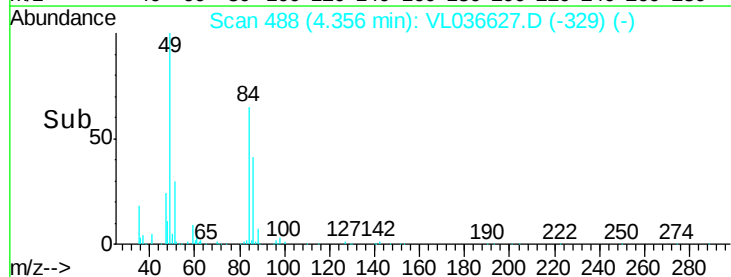
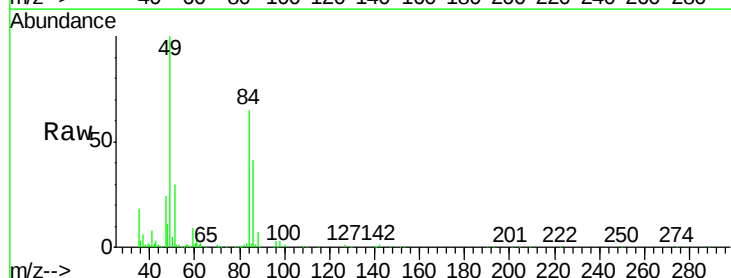
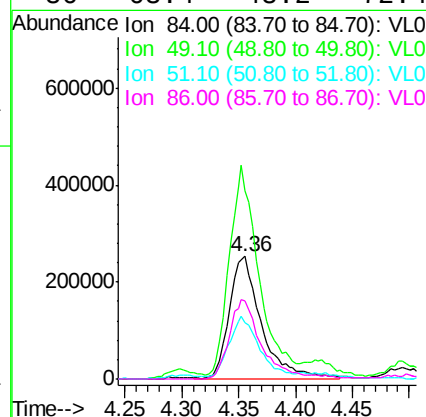
Ion Ratio Lower Upper

84 100

49 153.1 122.9 184.3

51 46.0 36.9 55.3

86 63.4 48.2 72.4





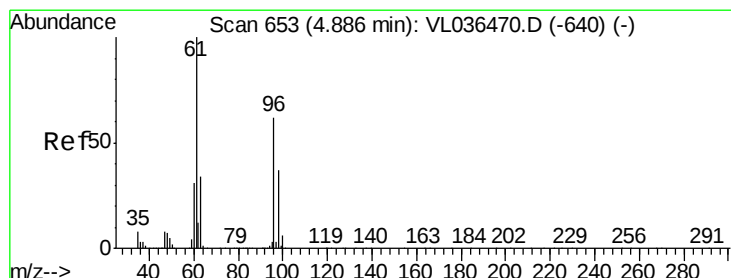
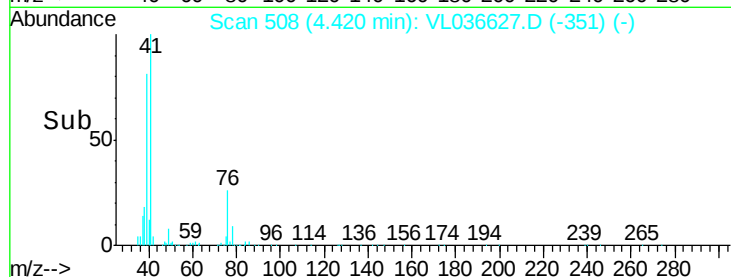
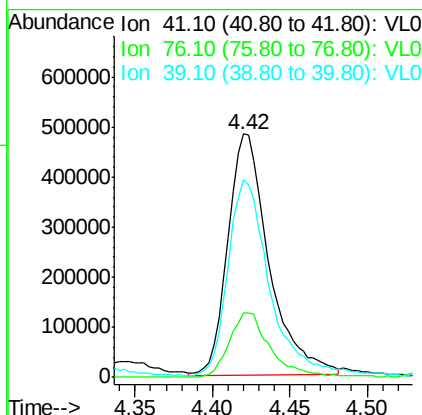
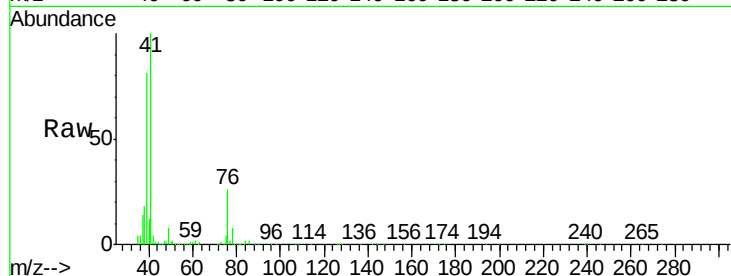
#21
Allvl Chloride
Concen: 7.432 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.9	22.9	34.3
39	82.5	67.3	100.9

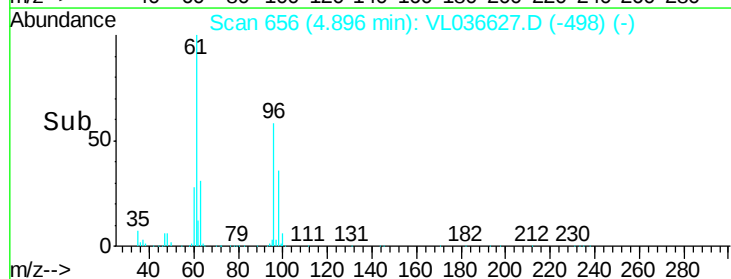
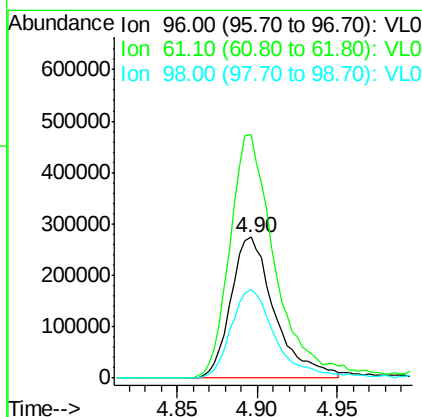
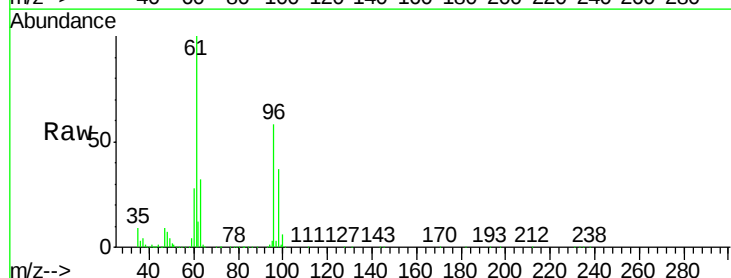
Manual Integrations
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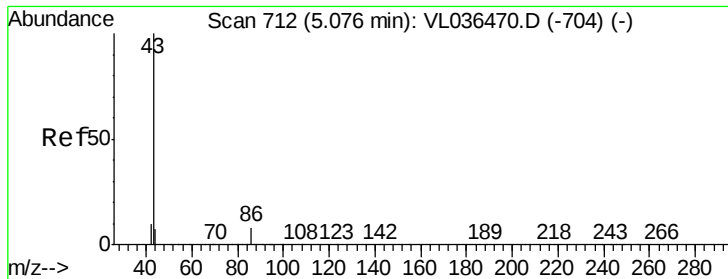
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 7.636 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	129.4	194.0
98	62.9	48.2	72.4





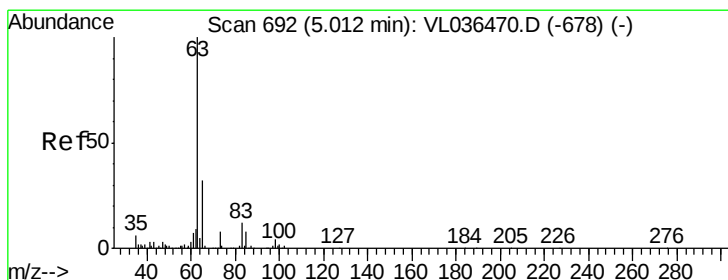
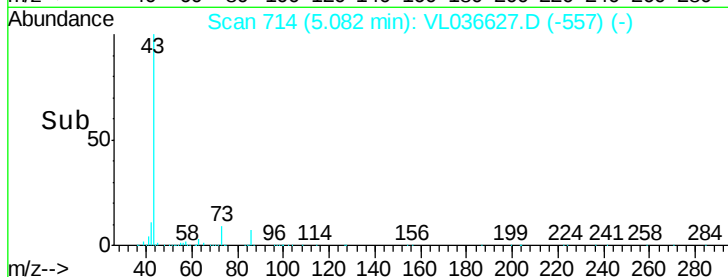
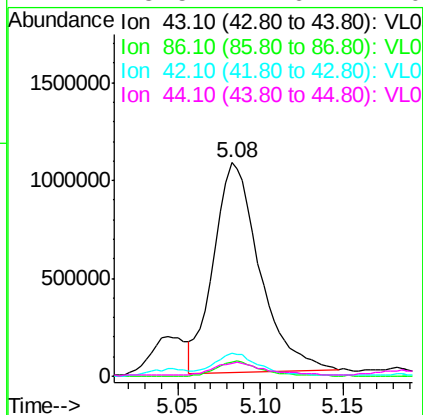
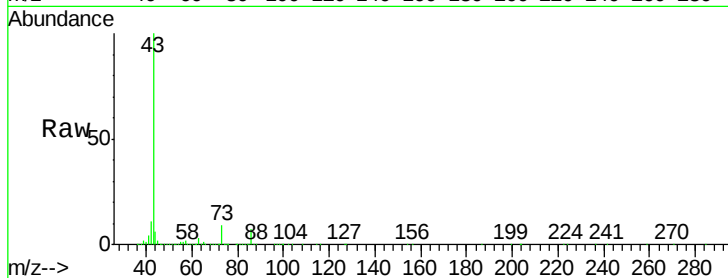
#23
 Vinyl Acetate
 Concen: 8.021 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	43	Resp	2069170
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.0
42	10.7	8.5	12.7
44	5.5	4.6	7.0

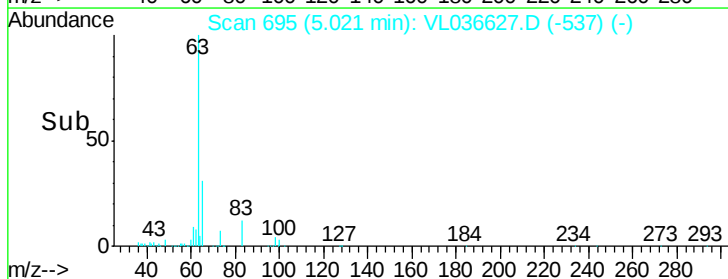
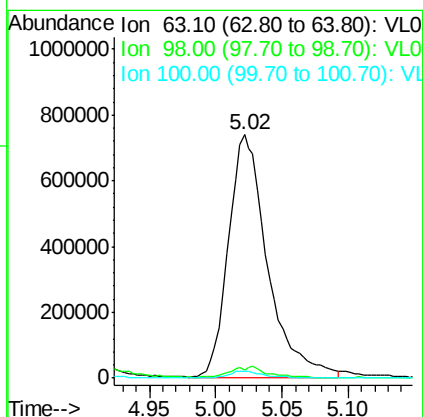
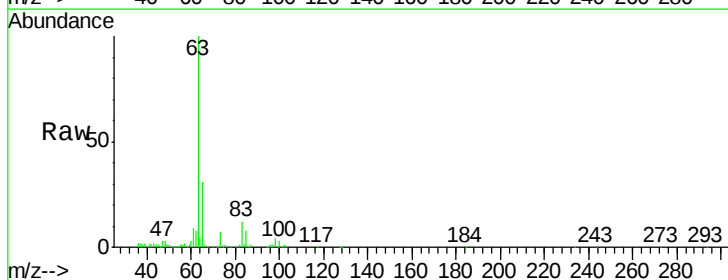
Manual Integrations
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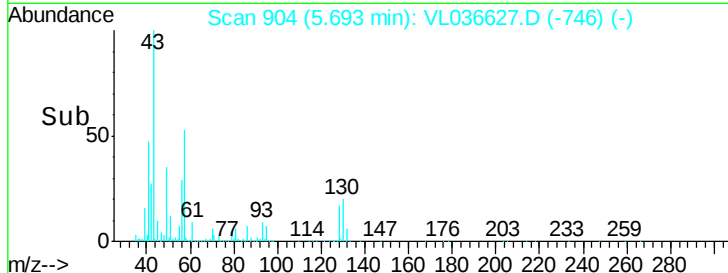
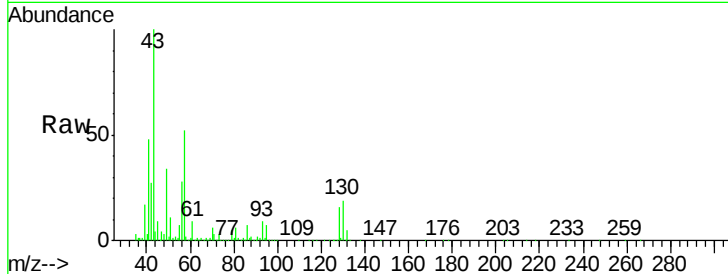
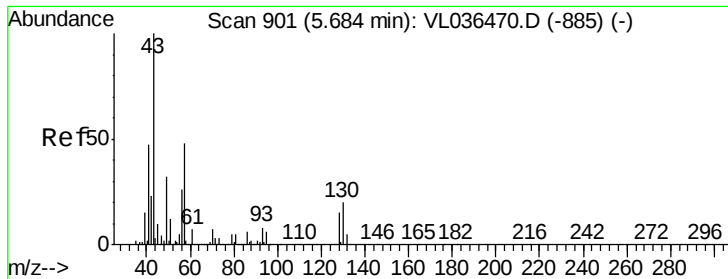
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#24
 1,1-Dichloroethane
 Concen: 8.023 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

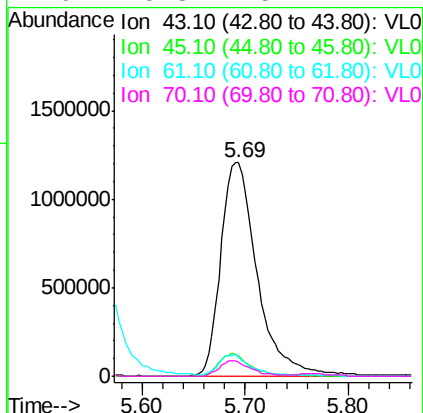
Tgt Ion	63	Resp	1508660
Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.1	6.2
100	2.7	0.9	2.8





#25
Ethyl Acetate
Concen: 8.221 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

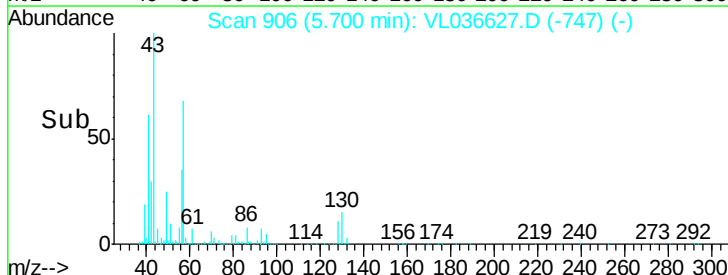
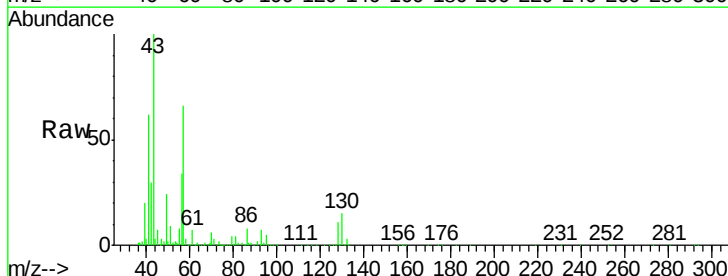
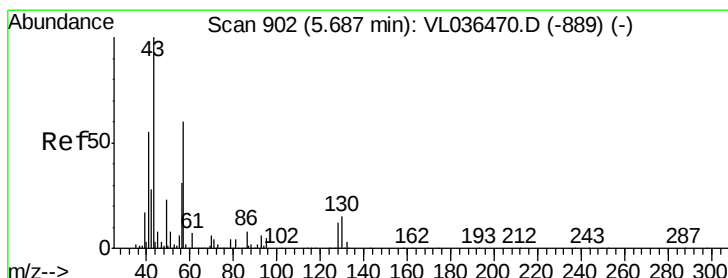
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.9	11.9	
61	9.1	7.4	11.2	
70	6.3	5.1	7.7	



Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

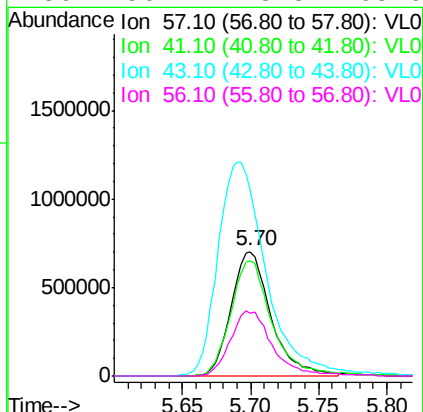
Manual Integrations
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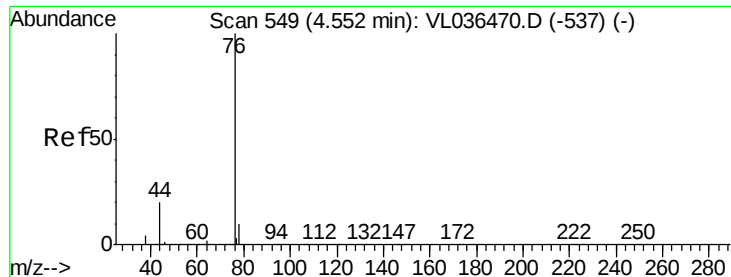
MMDadoda
4/2/2021 6:54:59 PM



#26
Hexane
Concen: 8.525 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	97.9	77.2	115.8	
43	210.5	173.8	260.6	
56	56.1	43.8	65.6	





#27

Carbon Disulfide

Concen: 8.088 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 76 Resp: 1325753

Ion Ratio Lower Upper

76 100

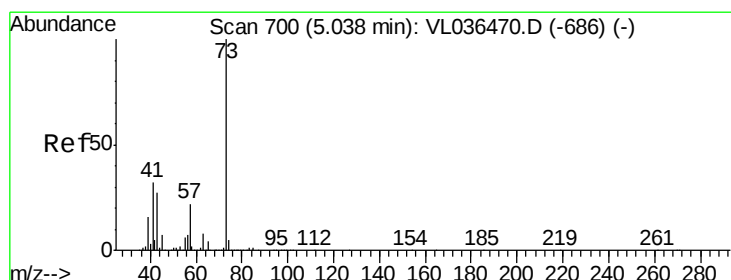
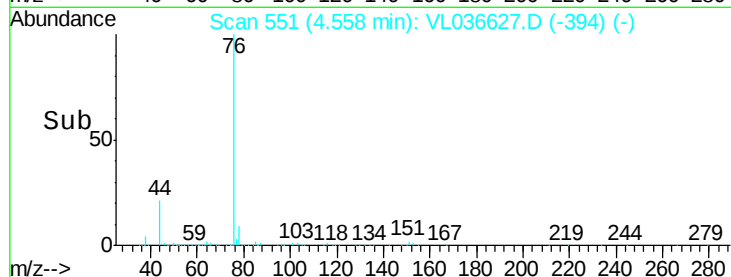
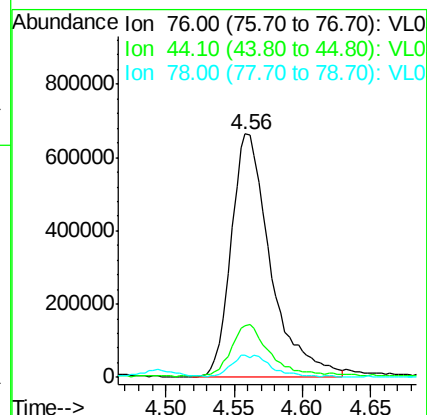
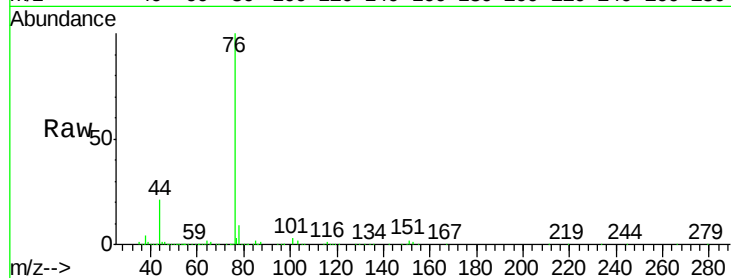
44 22.0 17.5 26.3

78 9.7 8.6 13.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 7.411 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL036627.D

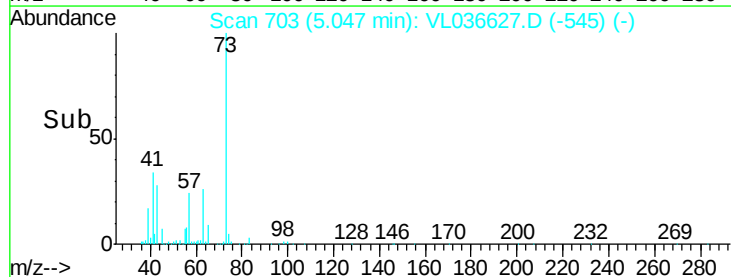
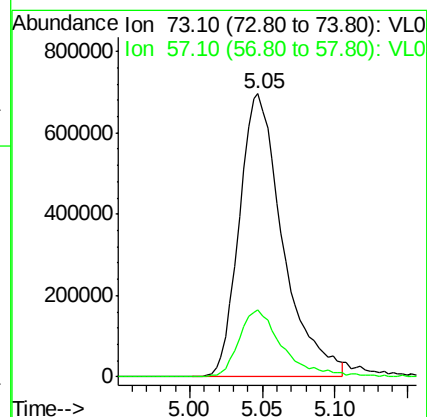
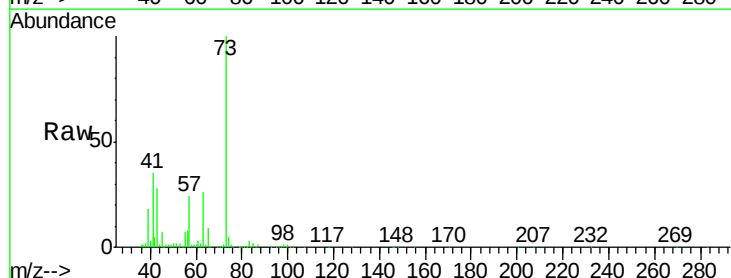
Acq: 1 Apr 2021 8:52

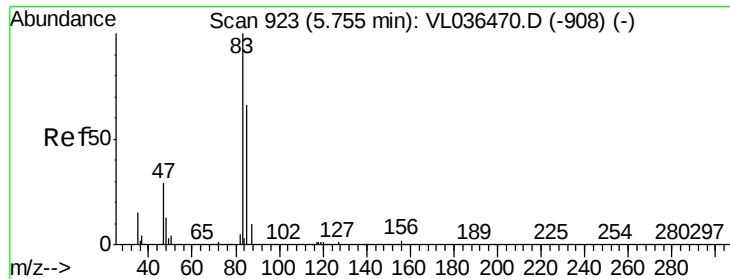
Tgt Ion: 73 Resp: 1454155

Ion Ratio Lower Upper

73 100

57 23.9 18.5 27.7





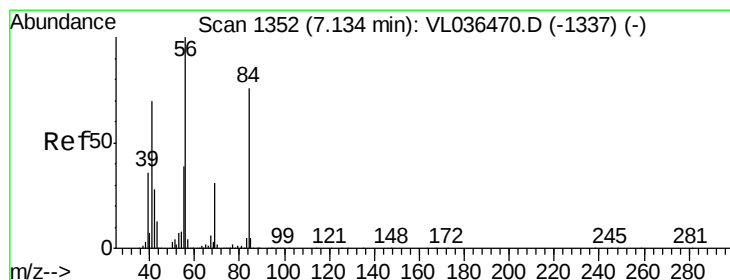
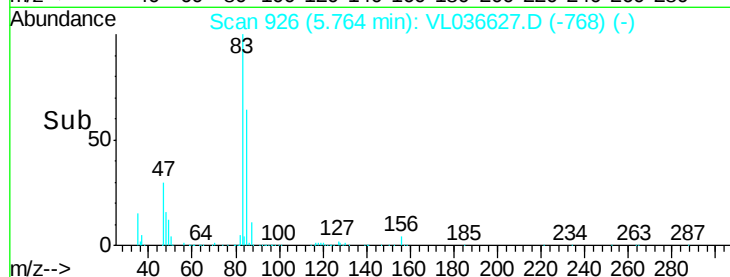
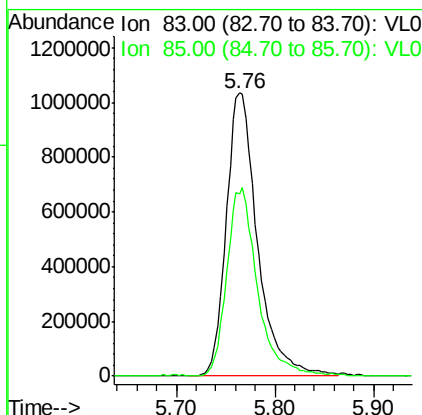
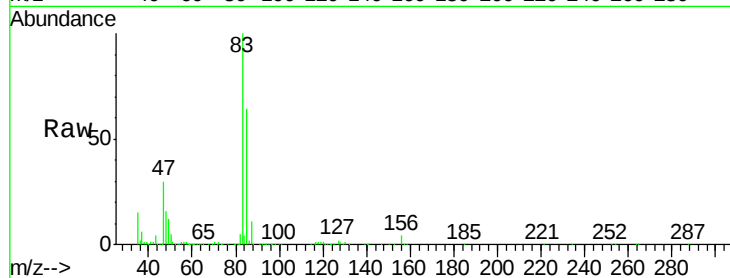
#29
Chloroform
Concen: 8.613 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 83 Resp: 2291783
Ion Ratio Lower Upper
83 100
85 64.3 52.6 78.8

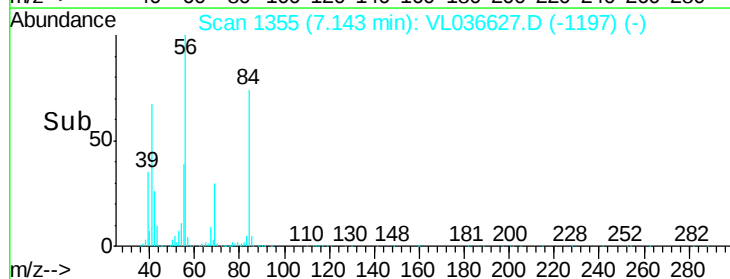
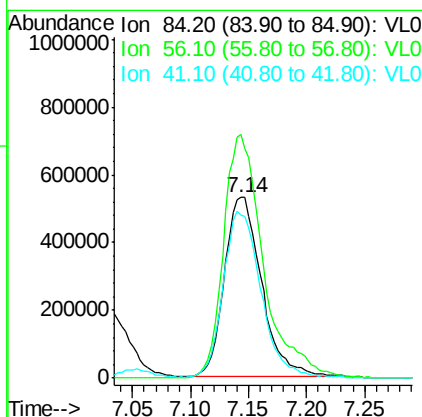
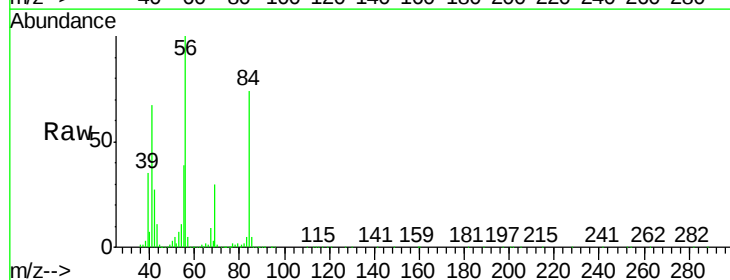
Manual Integrations
APPROVED

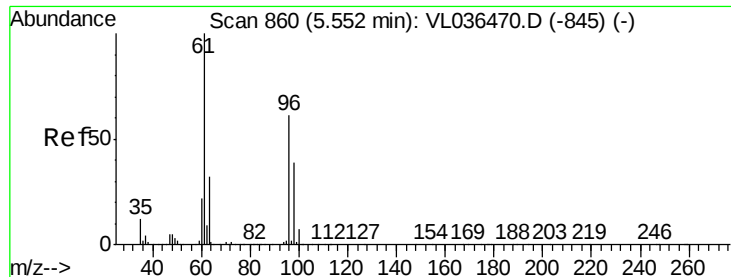
MMDadoda
4/2/2021 6:54:59 PM



#30
Cyclohexane
Concen: 8.806 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion: 84 Resp: 1188265
Ion Ratio Lower Upper
84 100
56 145.6 114.6 171.8
41 93.9 75.3 112.9





#31

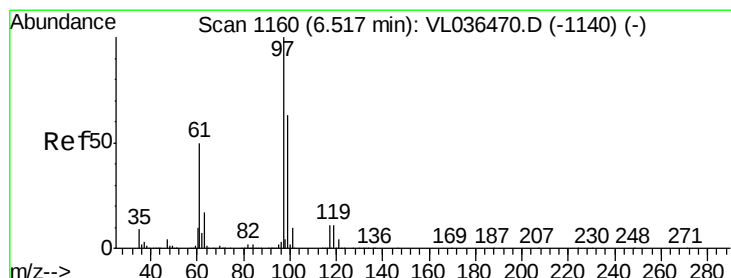
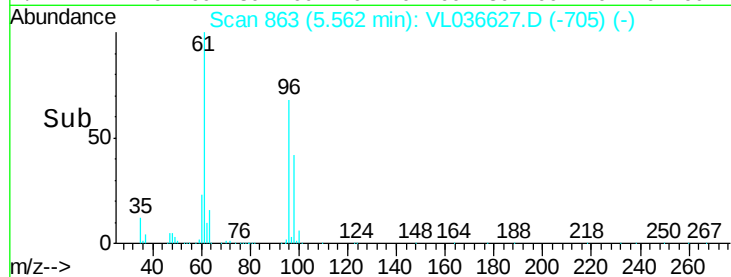
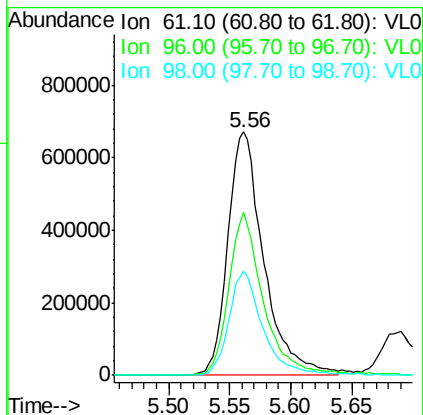
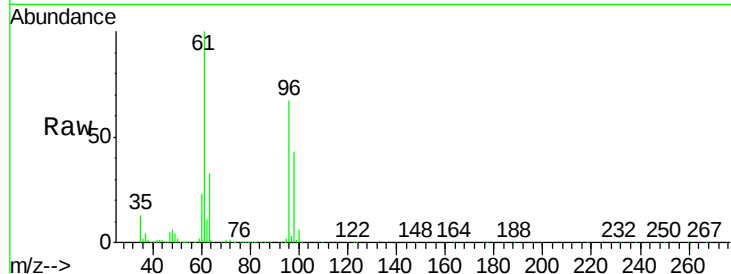
cis-1,2-Dichloroethene
Concen: 8.554 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.0	48.7	73.1
98	42.4	31.4	47.0

Manual Integrations
APPROVED

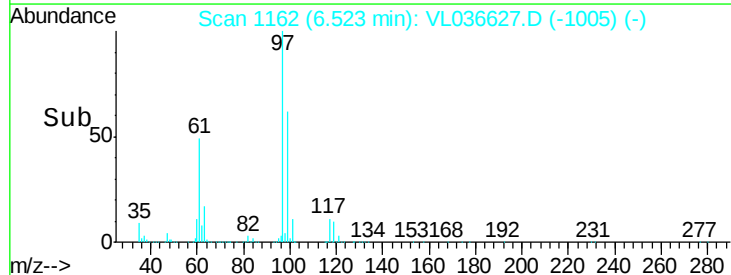
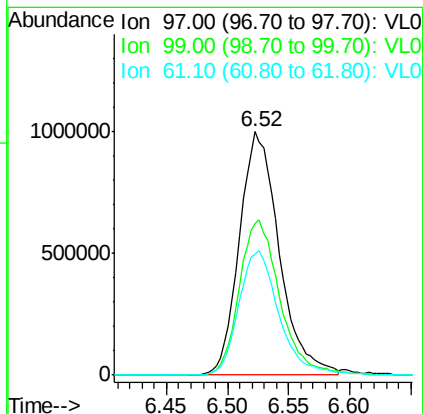
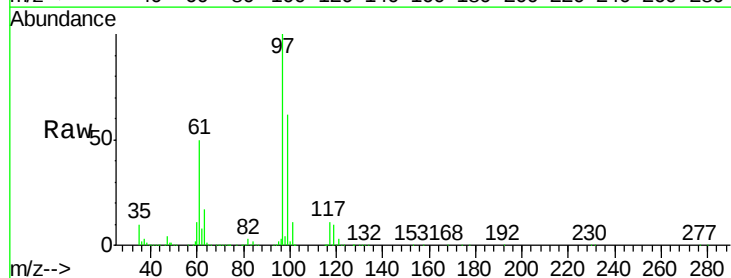
MMDadoda
4/2/2021 6:54:59 PM

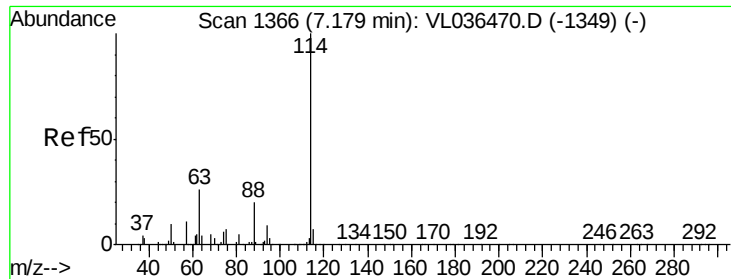


#32

1,1,1-Trichloroethane
Concen: 8.410 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	51.7	40.6	60.8





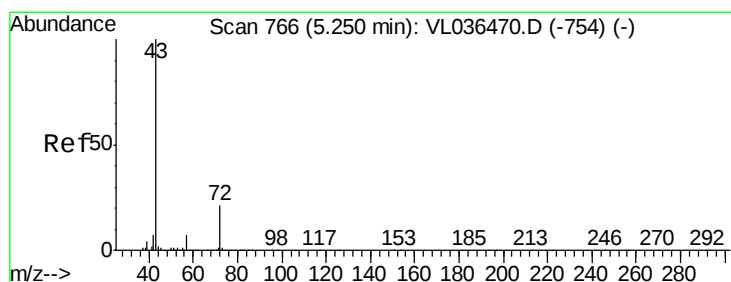
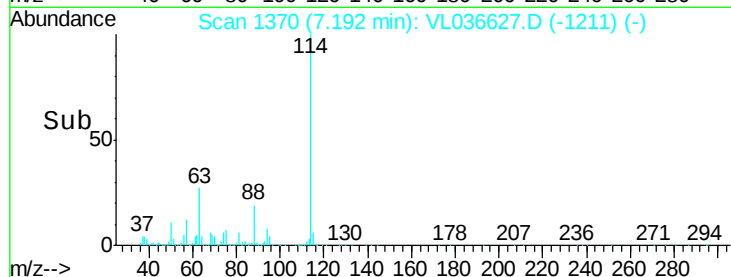
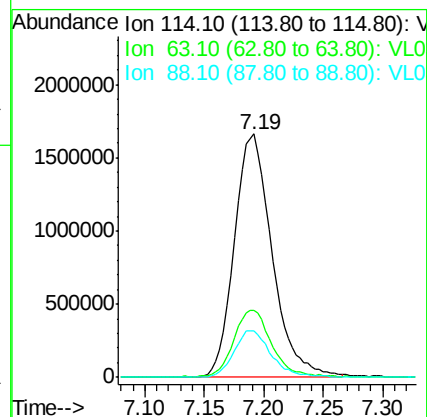
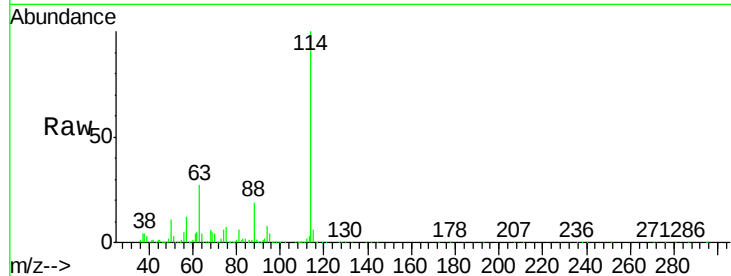
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	19.1	15.4	23.0

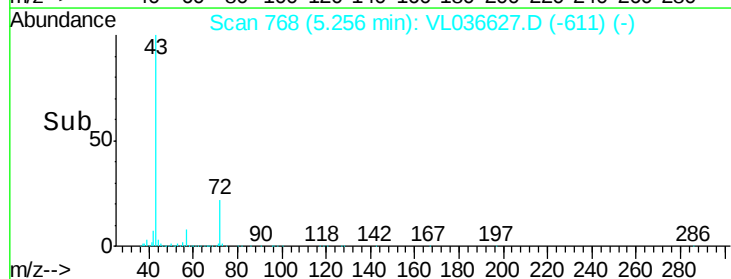
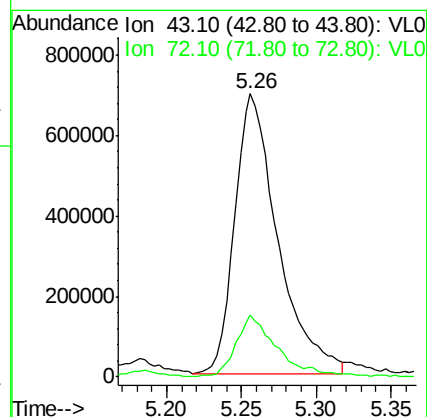
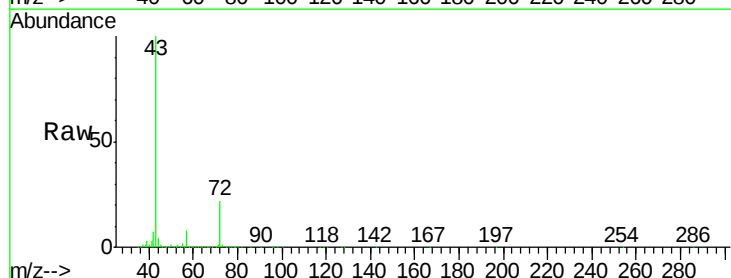
Manual Integrations
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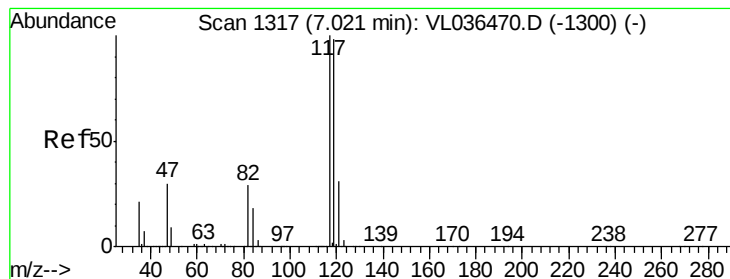
MMDadoda
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#34
 2-Butanone
 Concen: 7.758 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.0	25.6





#35

Carbon Tetrachloride

Concen: 8.496 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion:117 Resp: 2391509

Ion Ratio Lower Upper

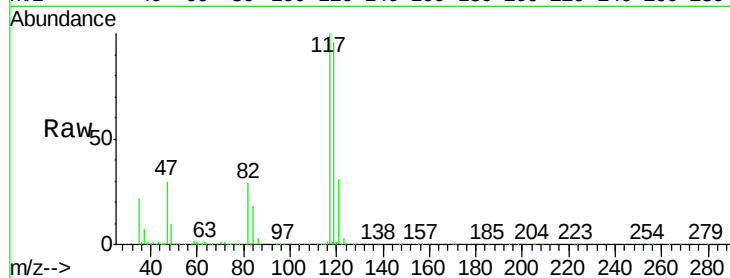
117 100

119 96.1 78.2 117.2

121 30.8 24.5 36.7

Manual Integrations
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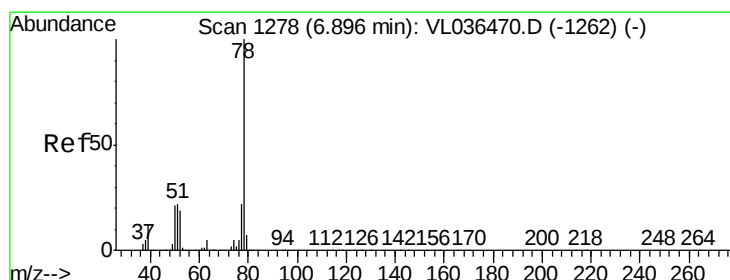
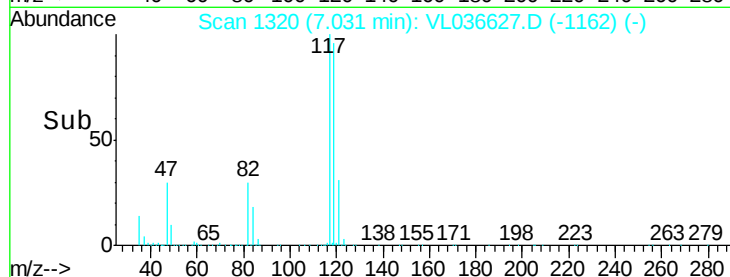
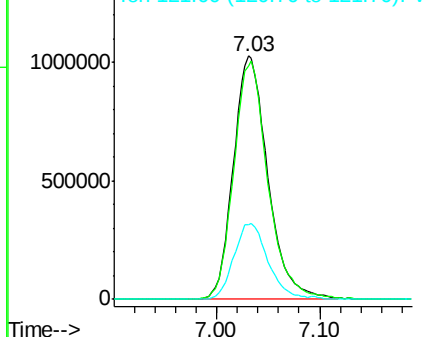
MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.582 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

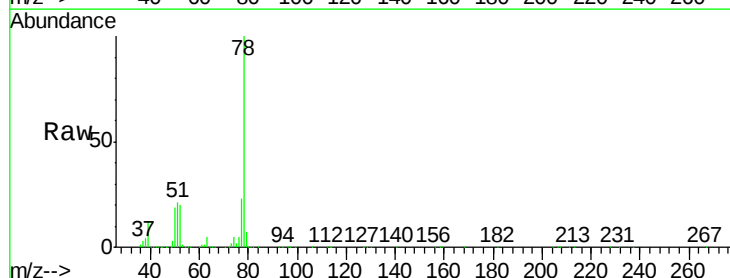
Tgt Ion: 78 Resp: 2900722

Ion Ratio Lower Upper

78 100

77 22.7 18.0 27.0

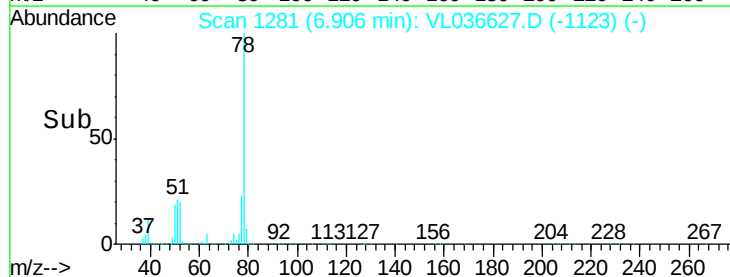
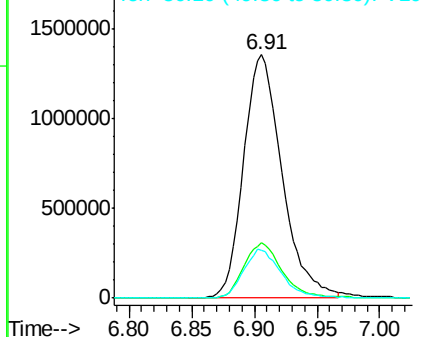
50 19.4 16.5 24.7

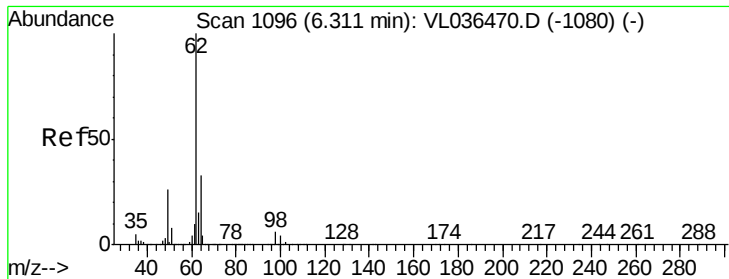


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





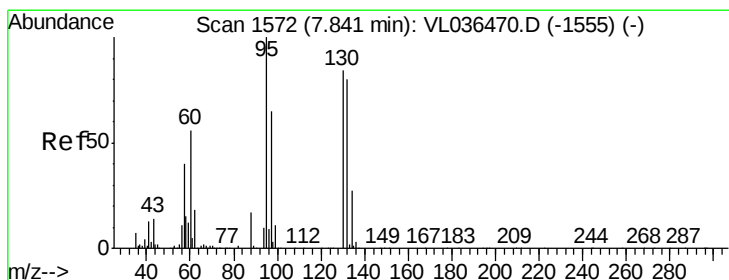
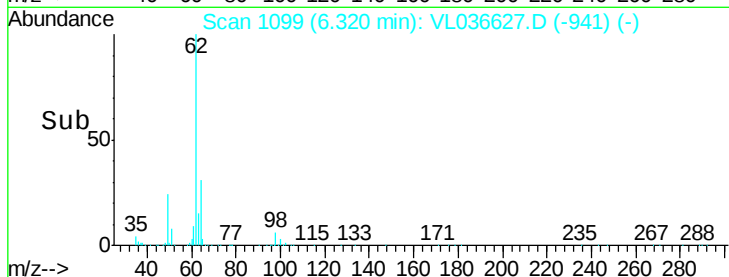
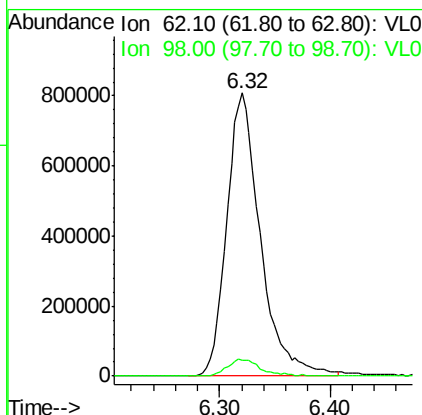
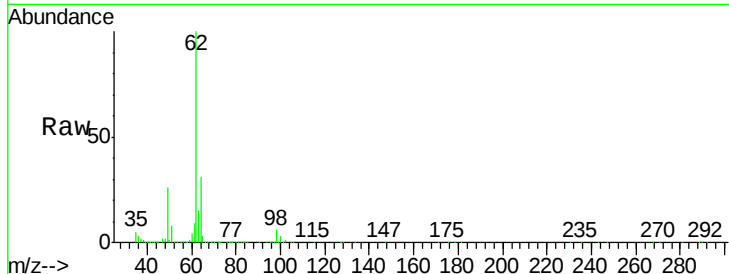
#37
 1,2-Dichloroethane
 Concen: 8.604 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.9	7.3

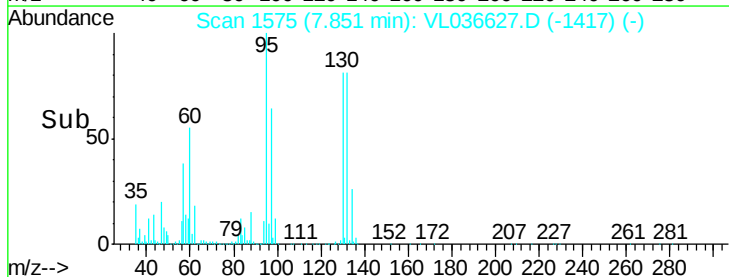
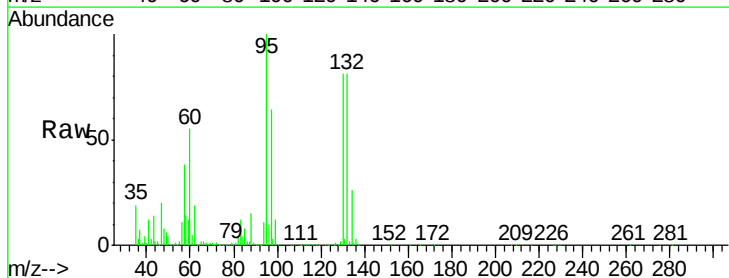
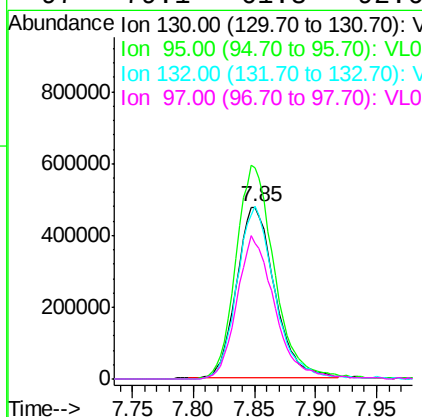
Manual Integrations
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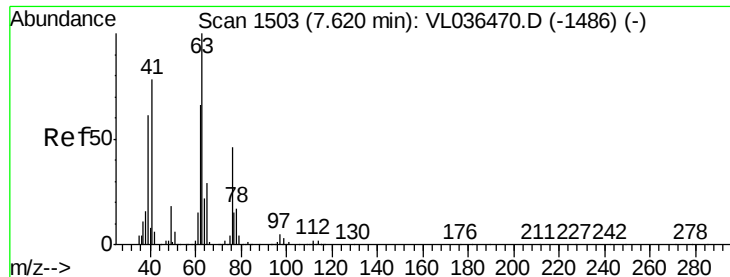
MMDadoda
 4/2/2021 6:54:59 PM



#38
 Trichloroethene
 Concen: 7.833 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.6	95.7	143.5
132	100.7	76.2	114.4
97	79.1	61.8	92.6





#39

1,2-Dichloropropane

Concen: 8.477 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 63 Resp: 1162242

Ion Ratio Lower Upper

63 100

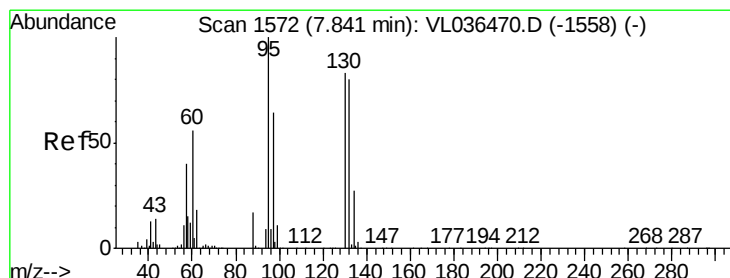
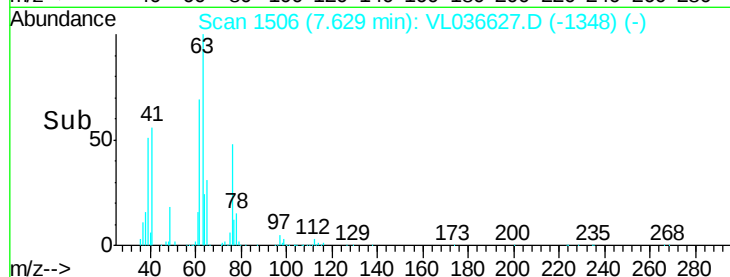
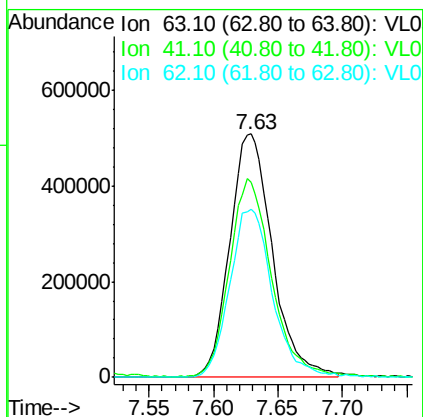
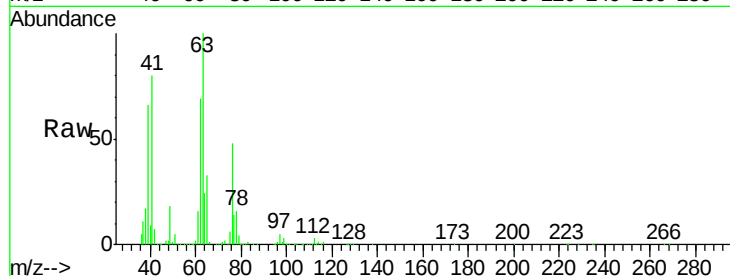
41 79.6 62.4 93.6

62 69.1 52.8 79.2

Manual Integrations
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4/2/2021 6:54:59 PM



#40

1,4-Dioxane

Concen: 7.279 ppbv m

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Tgt Ion: 88 Resp: 232257

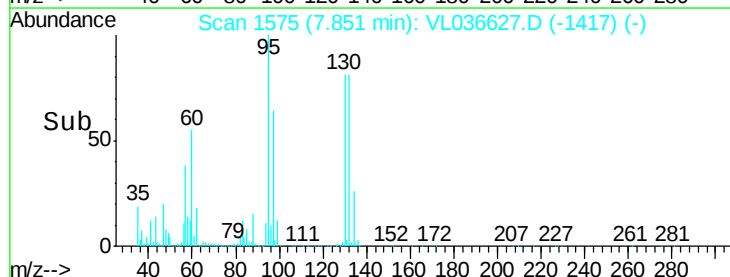
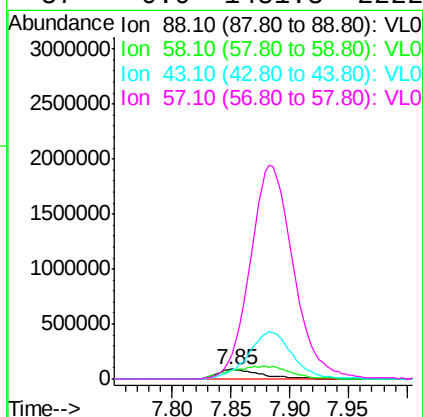
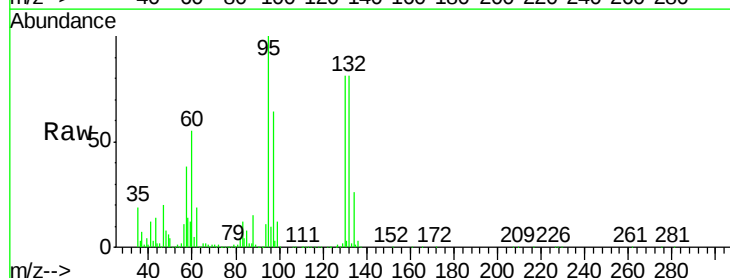
Ion Ratio Lower Upper

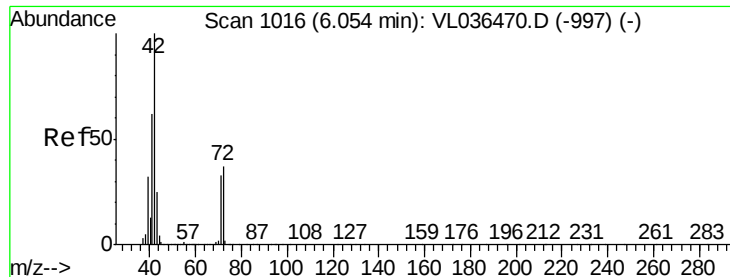
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





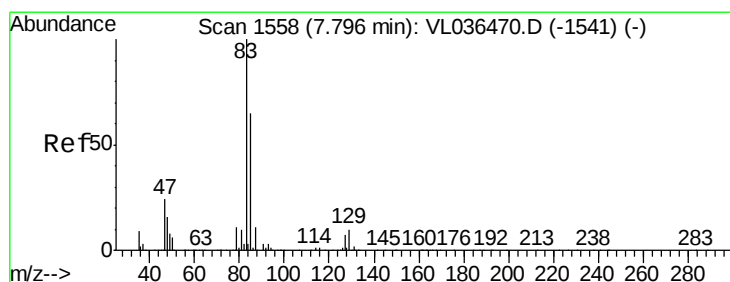
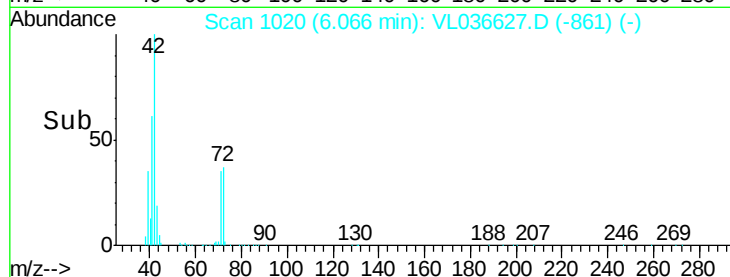
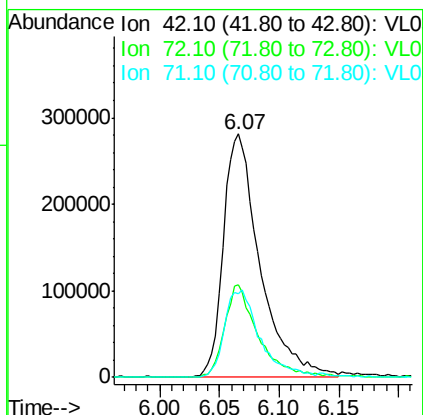
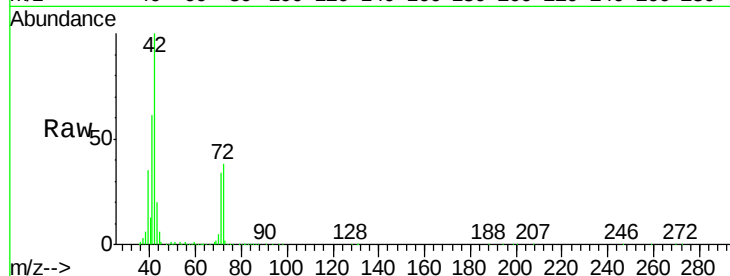
#41
Tetrahydrofuran
Concen: 7.284 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	27.6	41.4
71	35.5	27.0	40.4

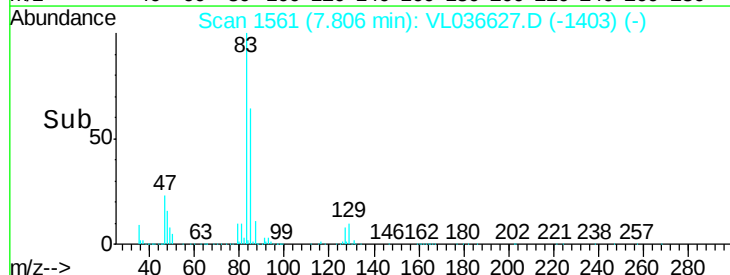
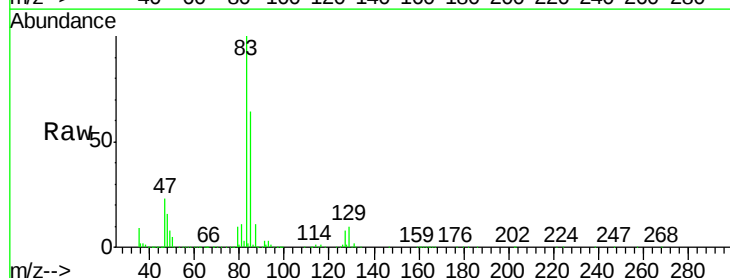
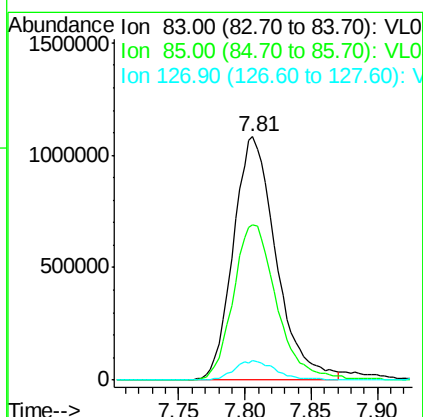
Manual Integrations
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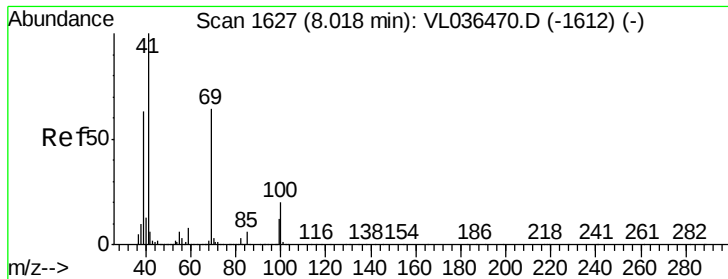
MMDadoda
4/2/2021 6:54:59 PM



#42
Bromodichloromethane
Concen: 8.978 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	7.9	5.8	8.8





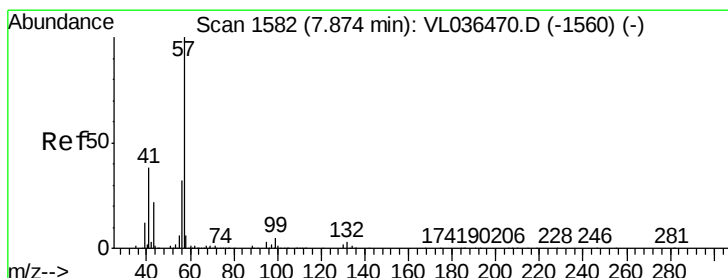
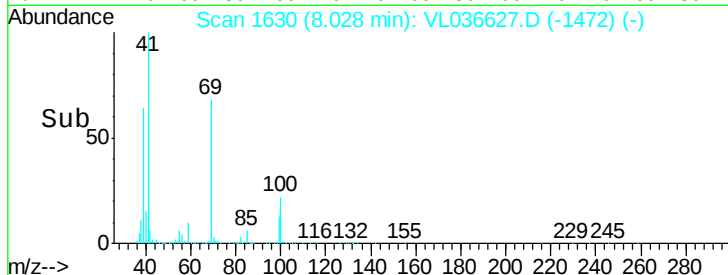
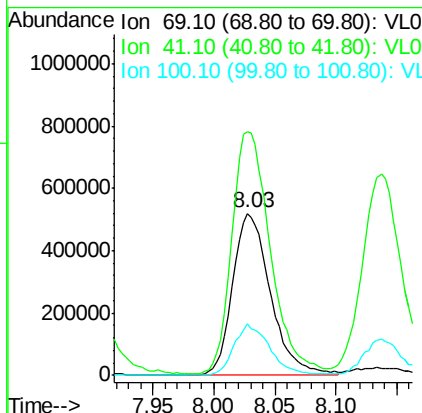
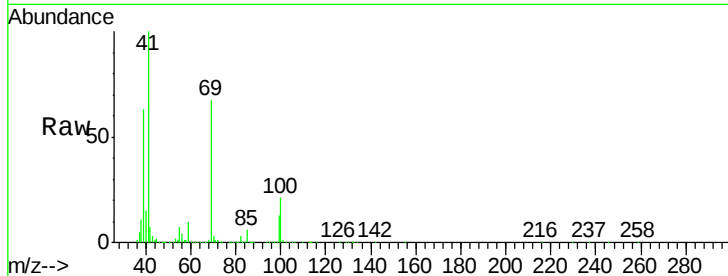
#43
Methvl Methacrvlate
Concen: 9.859 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 69 Resp: 1118975
Ion Ratio Lower Upper
69 100
41 154.0 126.8 190.2
100 30.4 24.9 37.3

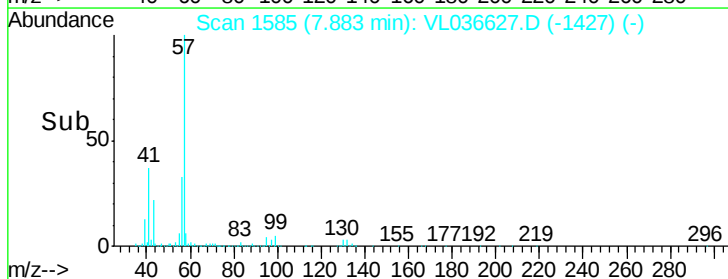
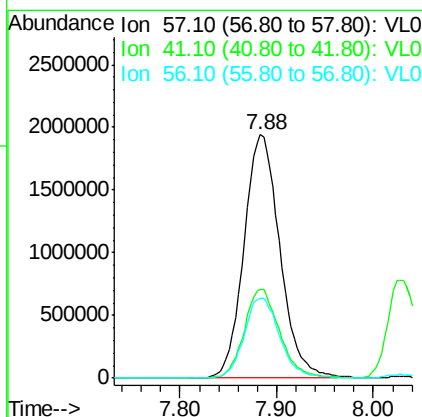
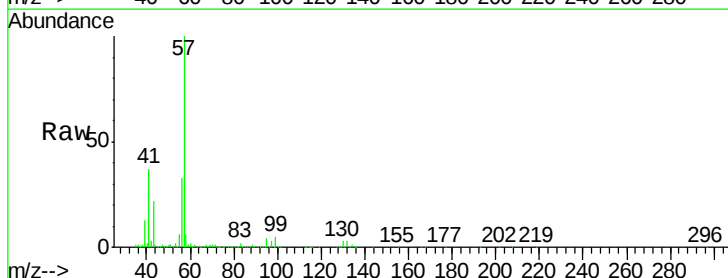
Manual Integrations
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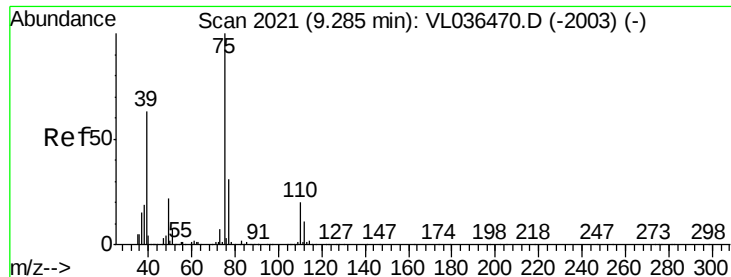
MMDadoda
4/2/2021 6:54:59 PM



#44
2,2,4-Trimethylpentane
Concen: 8.440 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion: 57 Resp: 5020645
Ion Ratio Lower Upper
57 100
41 35.9 28.8 43.2
56 32.7 26.1 39.1





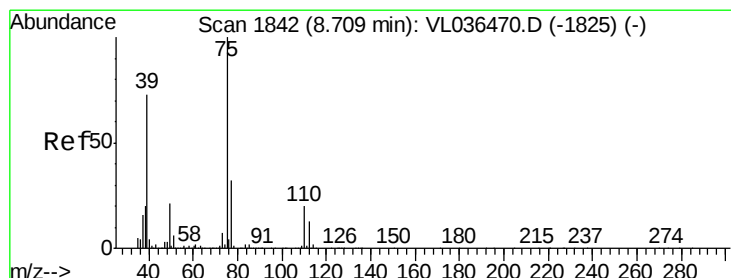
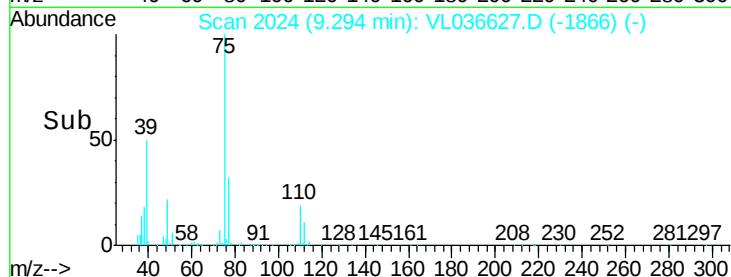
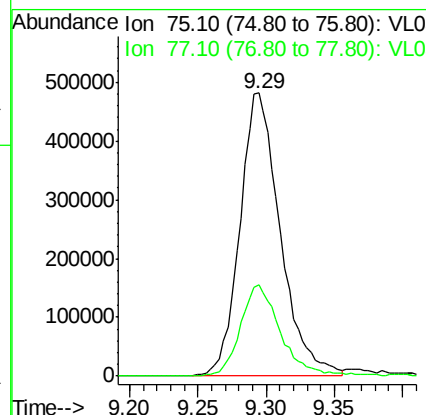
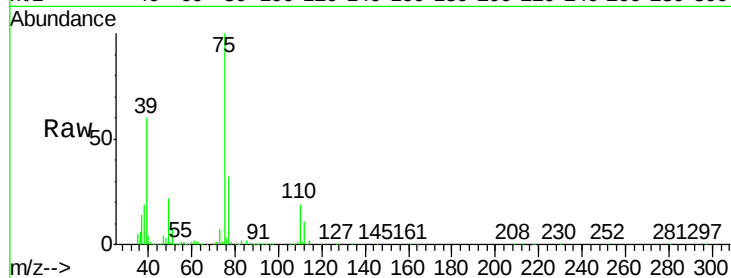
#45
t-1,3-Dichloropropene
Concen: 7.591 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 75 Resp: 983722
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7

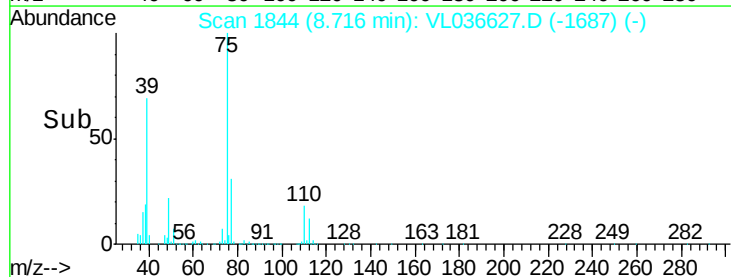
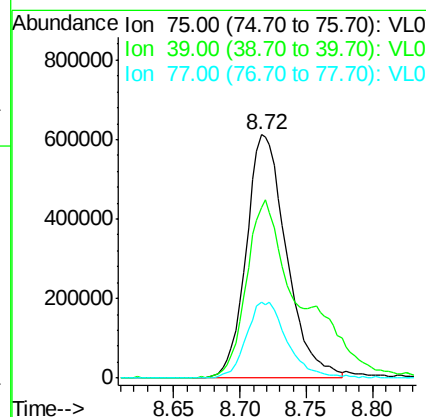
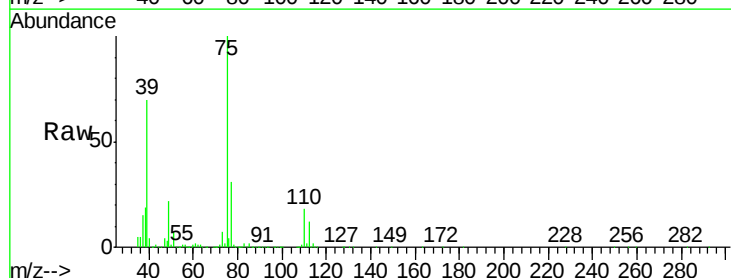
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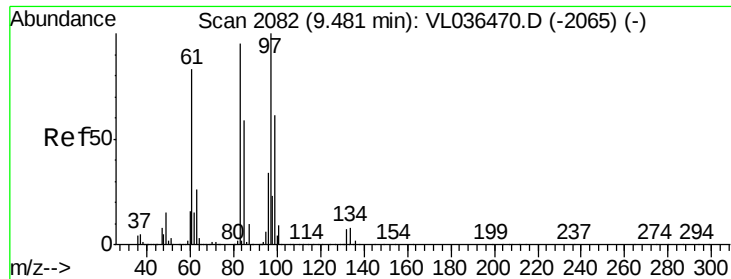
MMDadoda
4/2/2021 6:54:59 PM



#46
cis-1,3-Dichloropropene
Concen: 7.801 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion: 75 Resp: 1292297
Ion Ratio Lower Upper
75 100
39 69.7 58.2 87.2
77 31.1 25.2 37.8





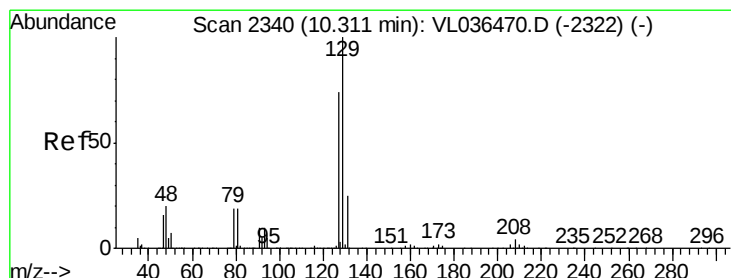
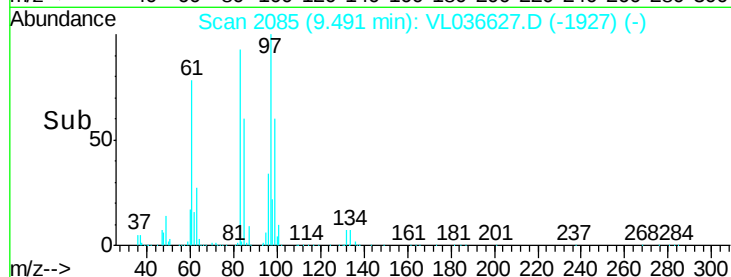
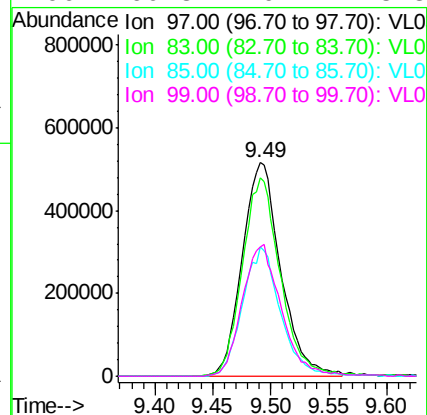
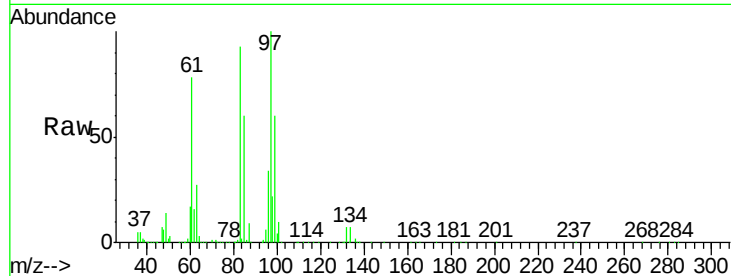
#47
 1,1,2-Trichloroethane
 Concen: 8.577 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion:	97	Resp:	1191084
Ion	Ratio	Lower	Upper
97	100		
83	92.9	75.8	113.8
85	60.4	47.1	70.7
99	60.3	49.2	73.8

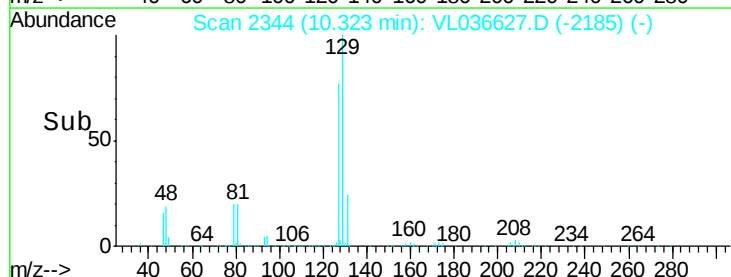
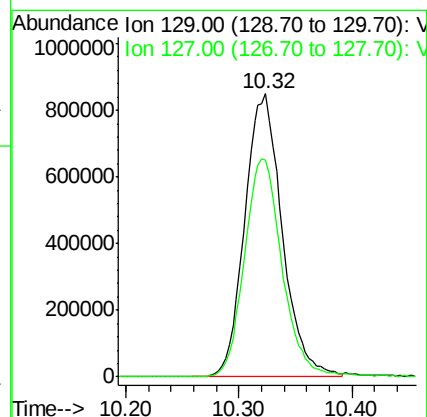
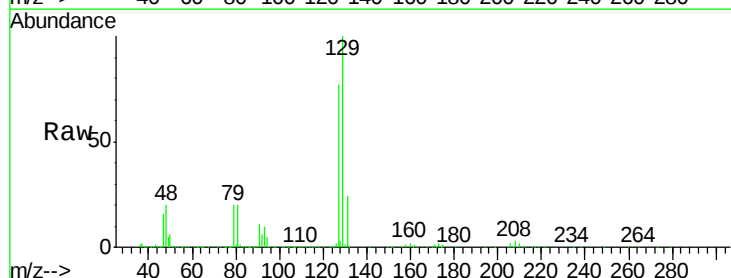
Manual Integrations
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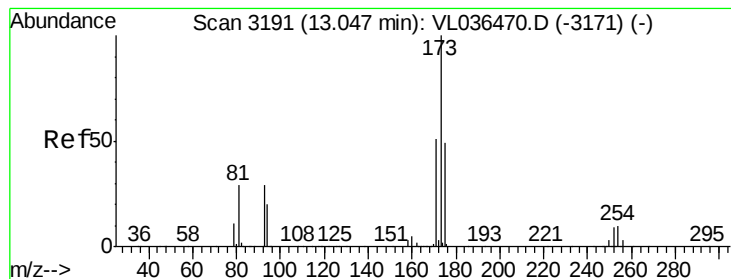
MMDadoda
 4/2/2021 6:54:59 PM



#48
 Dibromochloromethane
 Concen: 9.254 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Tgt Ion:	129	Resp:	1958950
Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.6	118.8





#49

Bromoform

Concen: 9.266 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion:173 Resp: 1580485

Ion Ratio Lower Upper

173 100

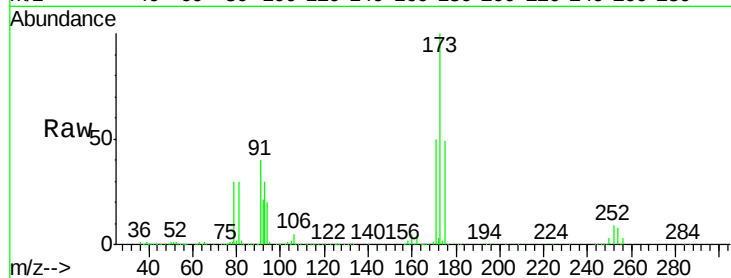
175 51.1 39.6 59.4

171 53.3 41.4 62.0

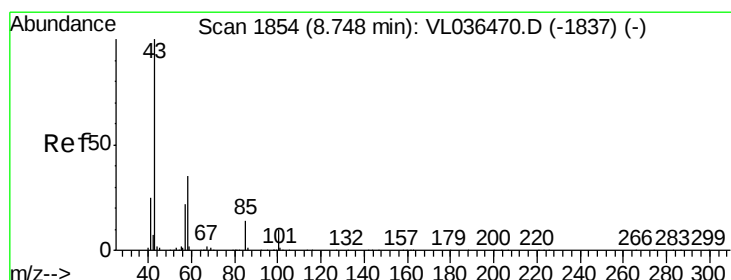
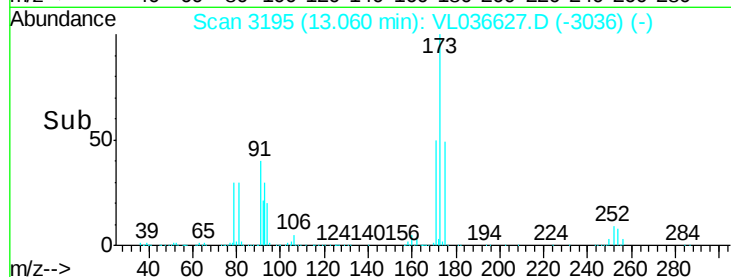
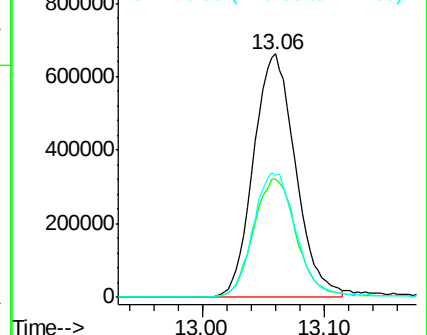
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.219 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL036627.D

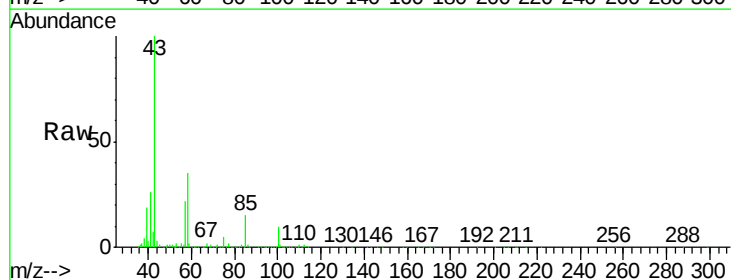
Acq: 1 Apr 2021 8:52

Tgt Ion: 43 Resp: 2127352

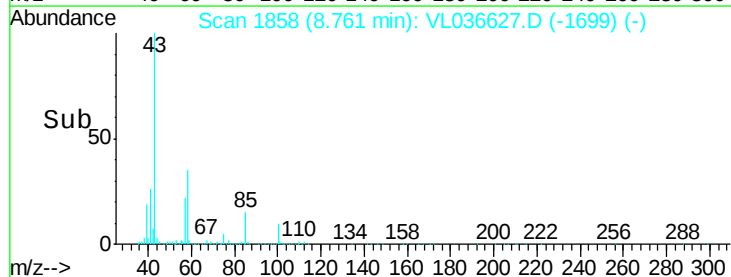
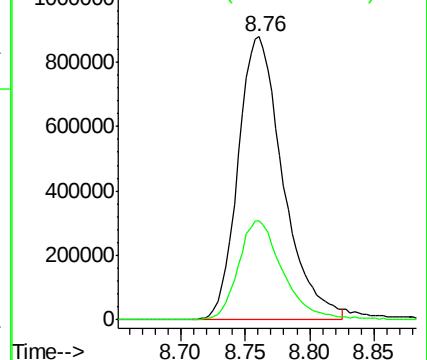
Ion Ratio Lower Upper

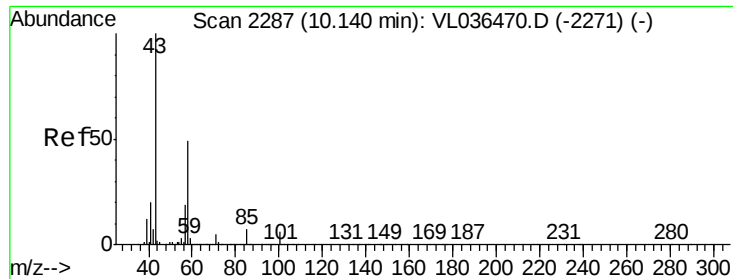
43 100

58 35.2 28.2 42.2



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





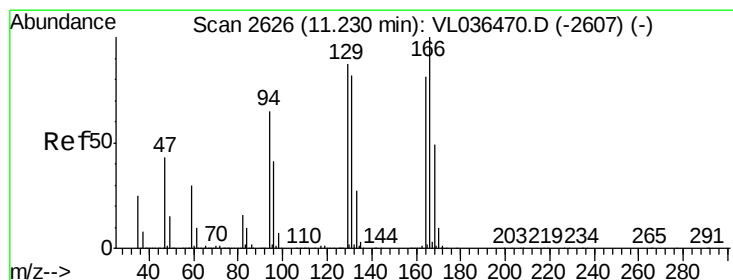
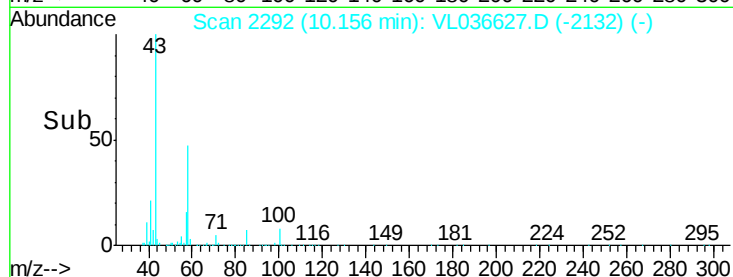
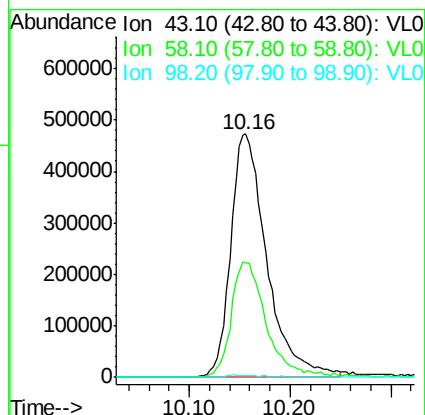
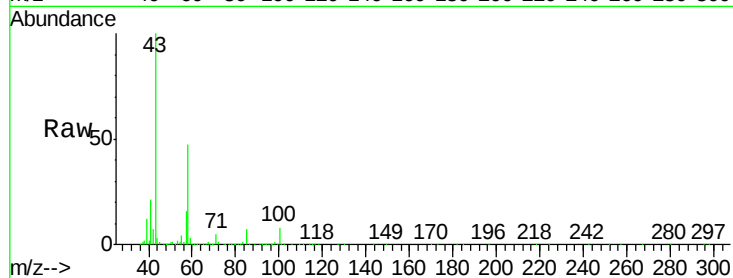
#51
2-Hexanone
Concen: 8.986 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.02 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 43 Resp: 1173726
Ion Ratio Lower Upper
43 100
58 46.8 37.7 56.5
98 0.9 0.2 0.2#

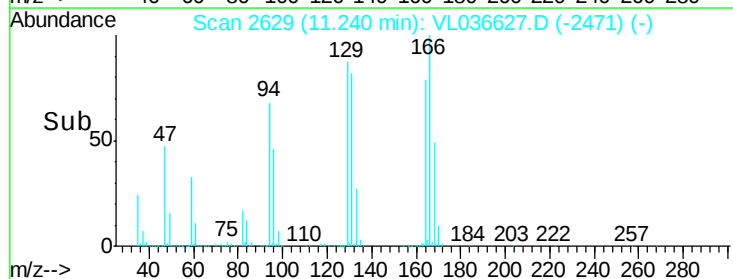
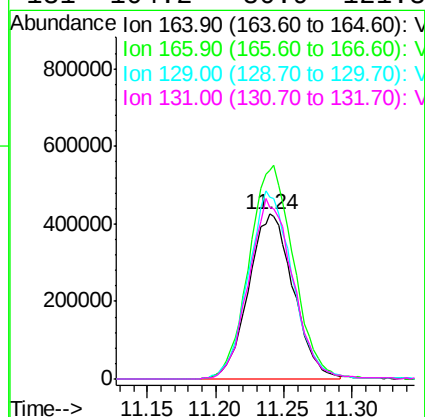
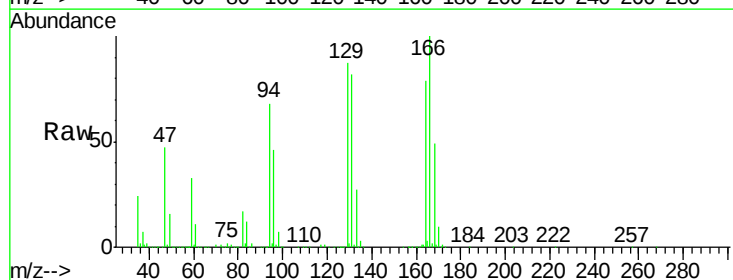
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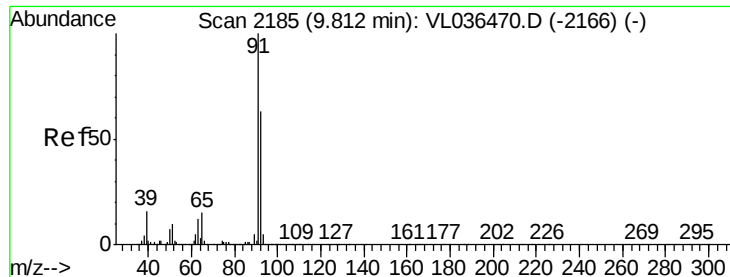
MMDadoda
4/2/2021 6:54:59 PM



#52
Tetrachloroethene
Concen: 7.798 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion: 164 Resp: 970522
Ion Ratio Lower Upper
164 100
166 126.5 98.3 147.5
129 110.0 85.8 128.8
131 104.2 80.9 121.3





#53

Toluene

Concen: 9.044 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 91 Resp: 3255096

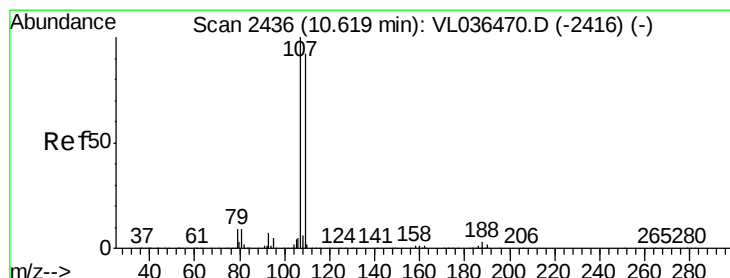
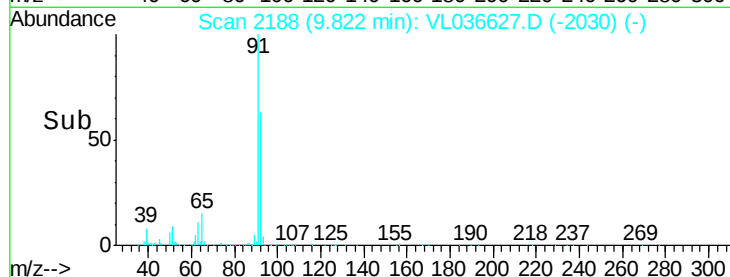
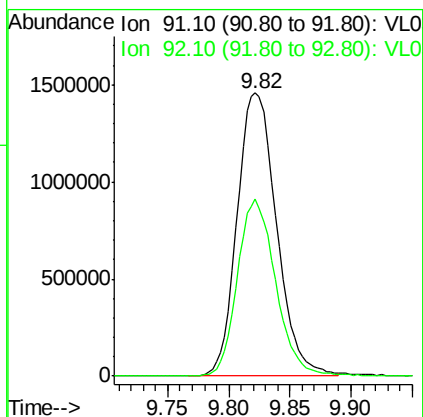
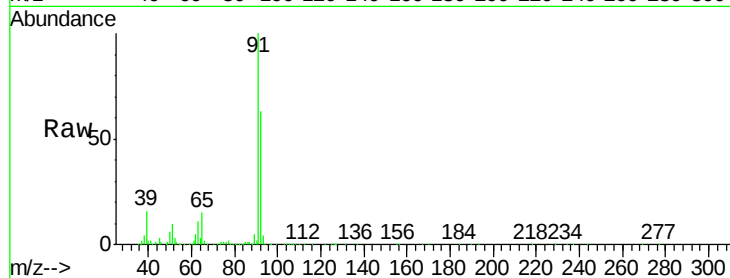
Ion Ratio Lower Upper

91 100

92 61.1 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 8.469 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VL036627.D

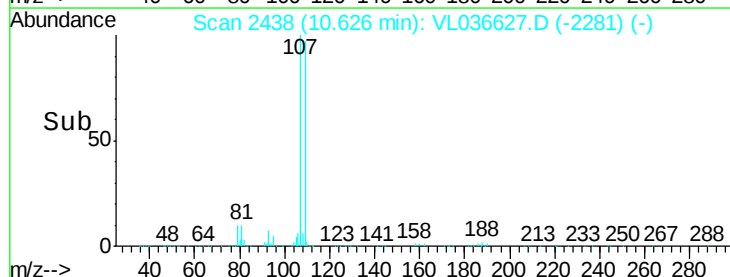
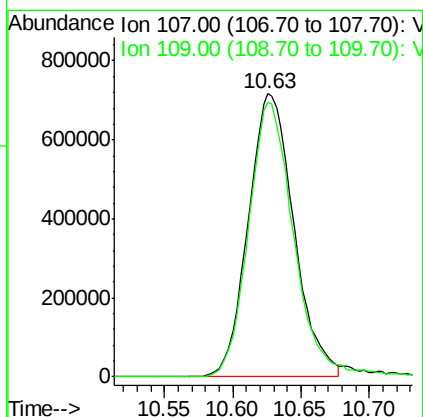
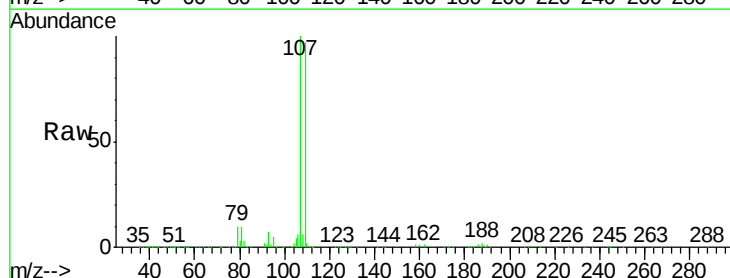
Acq: 1 Apr 2021 8:52

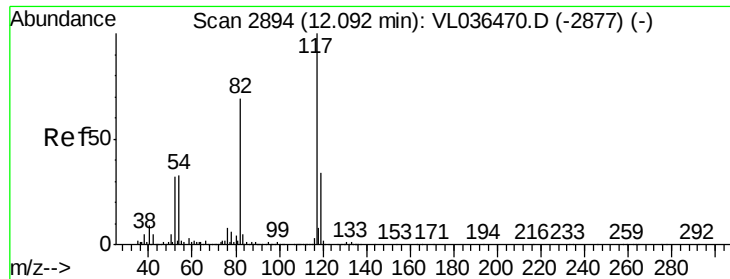
Tgt Ion: 107 Resp: 1660891

Ion Ratio Lower Upper

107 100

109 96.9 73.9 110.9





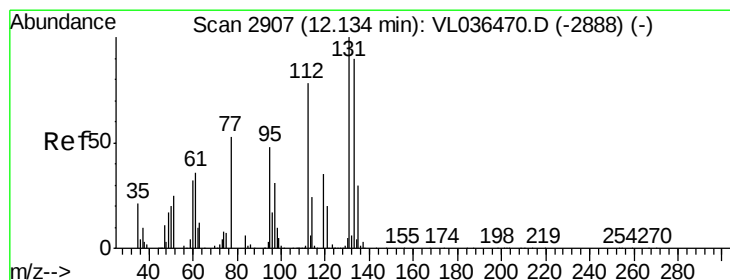
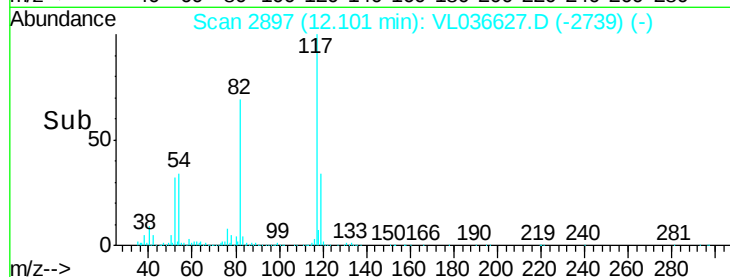
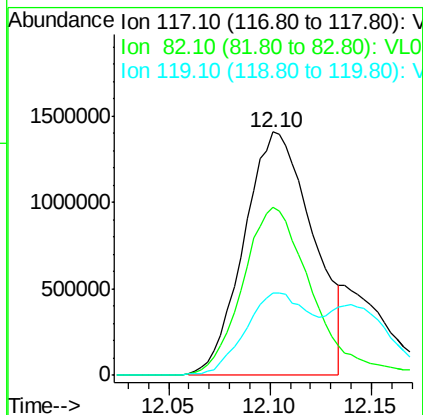
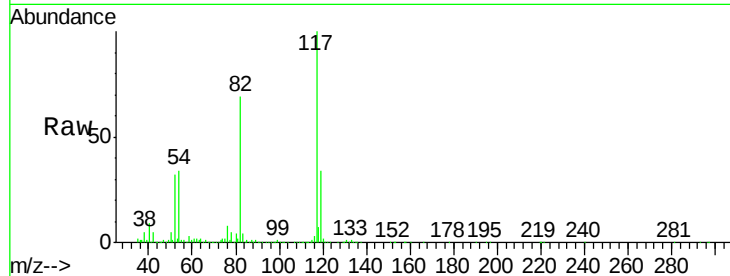
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.8	57.4	86.0
119	31.6	47.4	71.0#

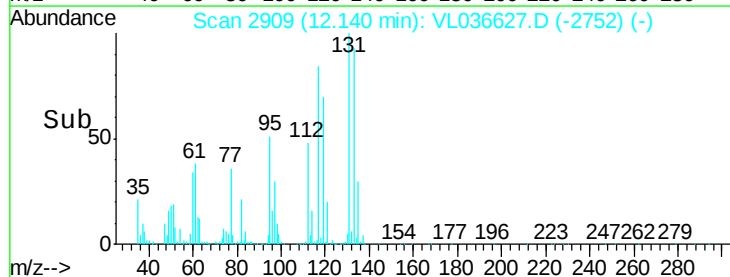
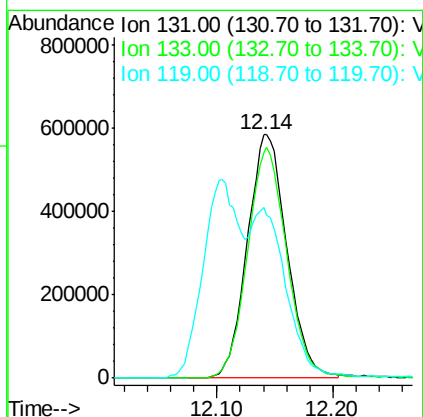
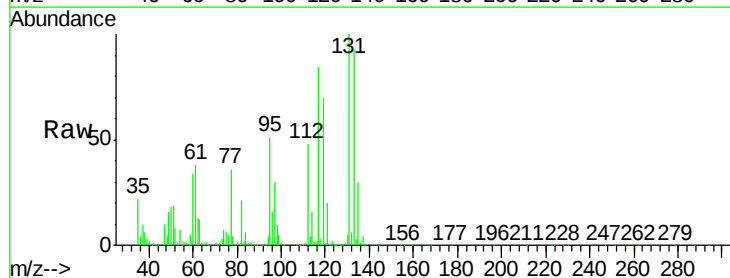
Manual Integrations
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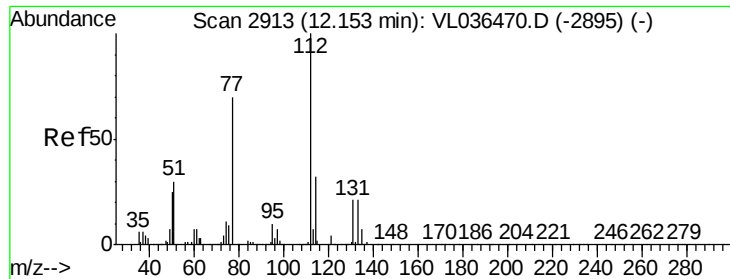
MMDadoda
4/2/2021 6:54:59 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.201 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	75.8	113.6
119	63.6	48.7	73.1





#57

Chlorobenzene

Concen: 8.493 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

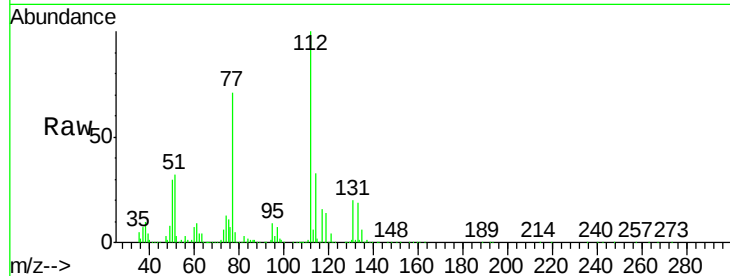
ClientSampleId :

VL0401ABS01

Tot Ion:	112	Resp:	2408105
Ion	Ratio	Lower	Upper
112	100		
77	70.0	56.0	84.0
114	32.5	29.0	35.4

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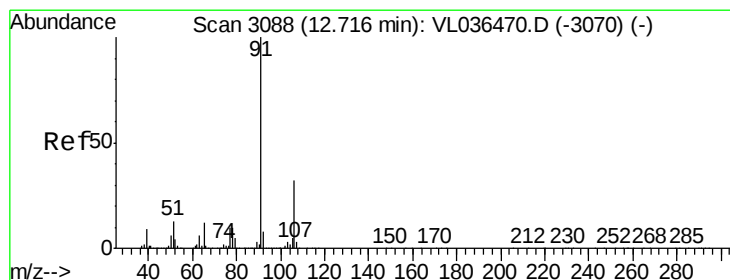
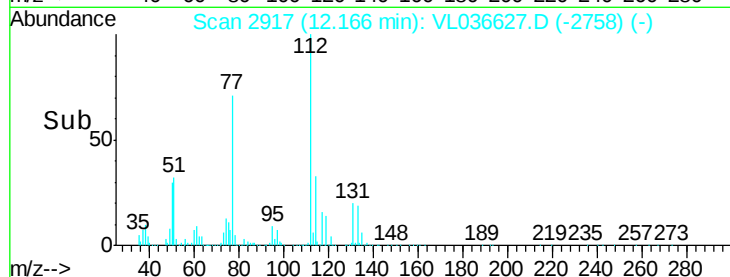
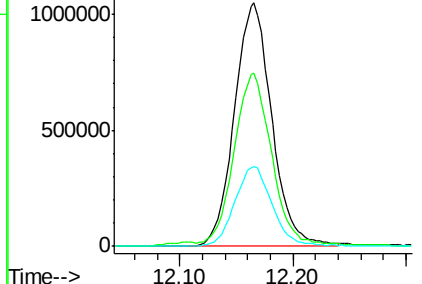
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.156 ppbv

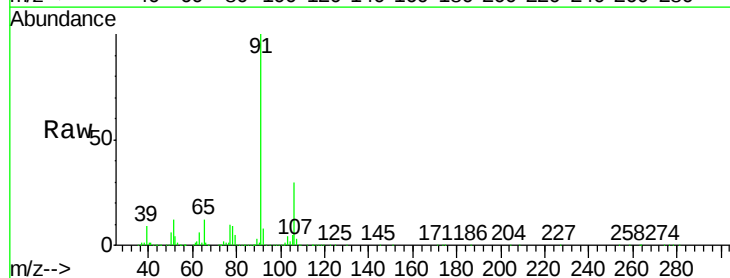
RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL036627.D

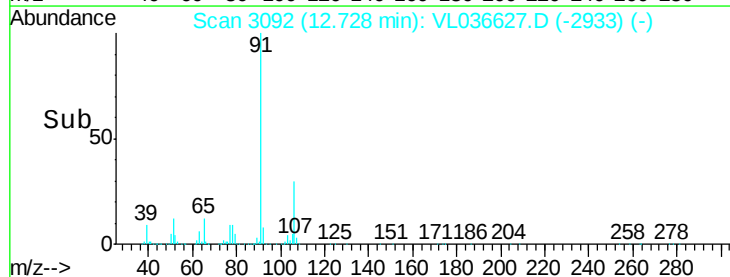
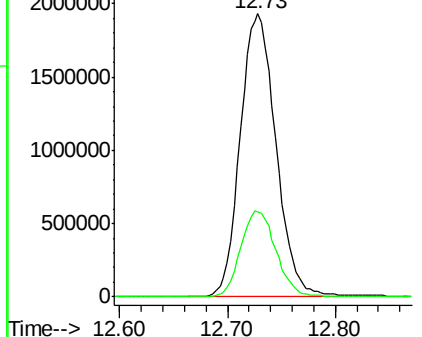
Acq: 1 Apr 2021 8:52

Tgt Ion:	91	Resp:	4438894
Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.3	37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





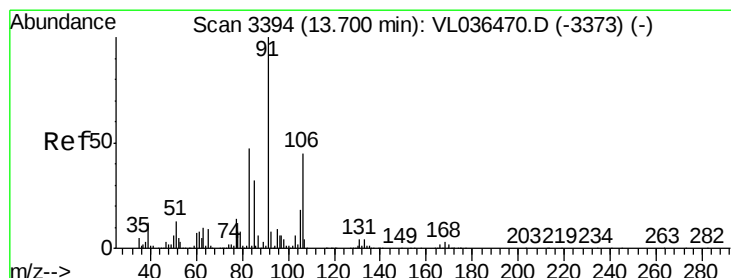
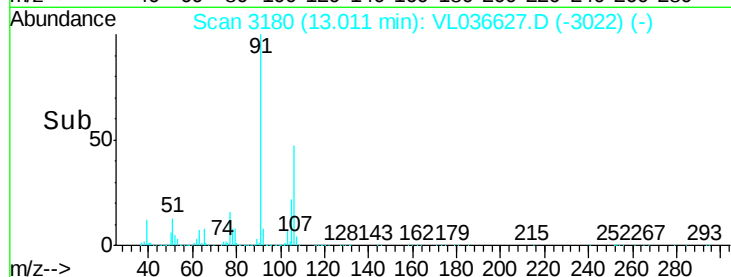
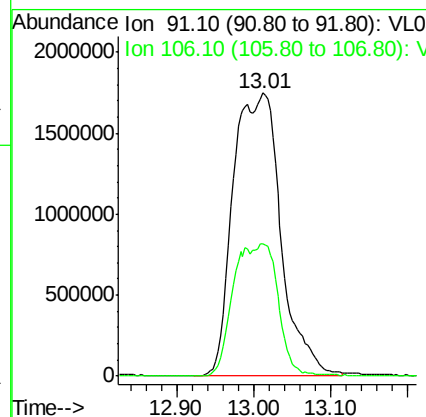
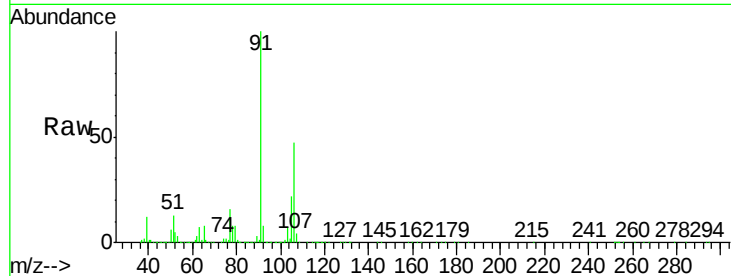
#59
m/p-Xylene
Concen: 17.853 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion: 91 Resp: 7549157
Ion Ratio Lower Upper
91 100
106 43.6 35.3 52.9

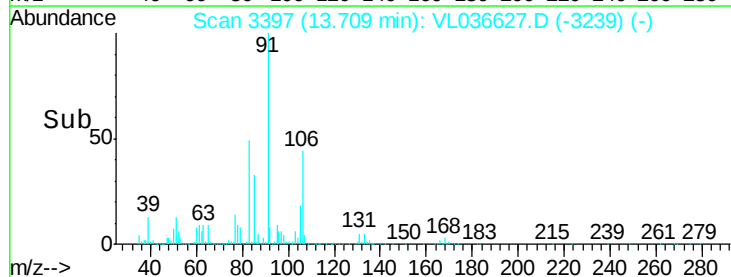
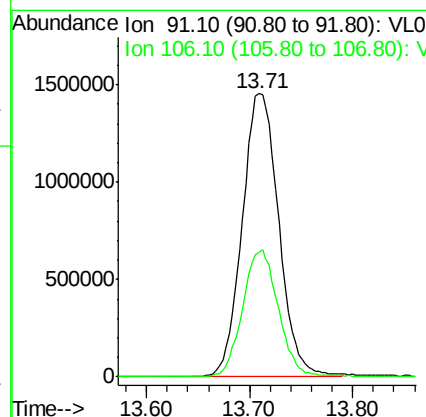
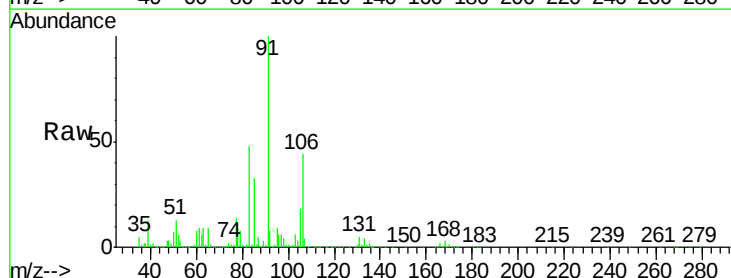
Manual Integrations
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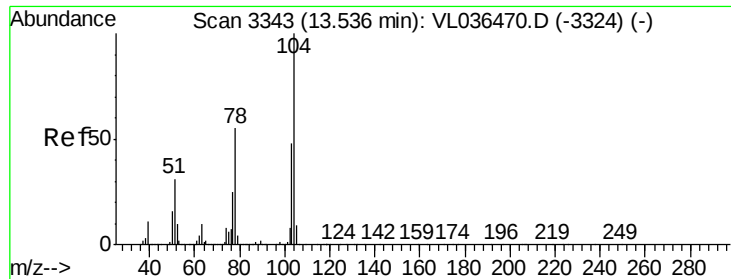
MMDadoda
4/2/2021 6:54:59 PM



#60
o-Xylene
Concen: 8.738 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion: 91 Resp: 3572554
Ion Ratio Lower Upper
91 100
106 44.3 22.3 66.9





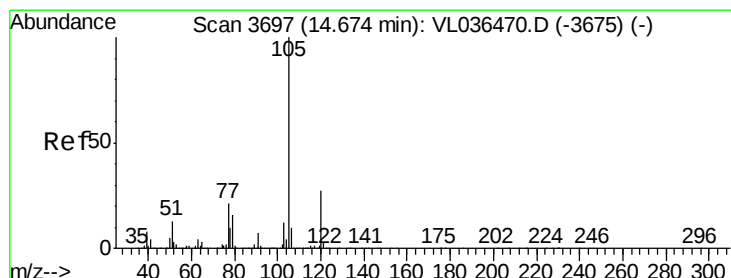
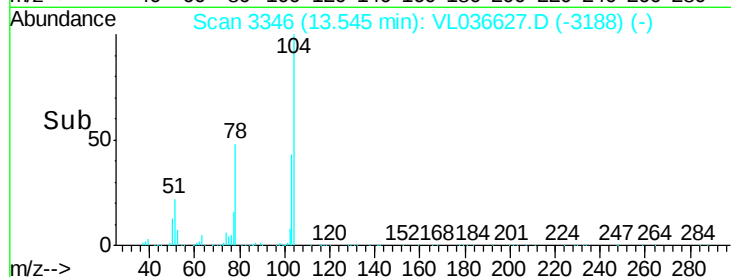
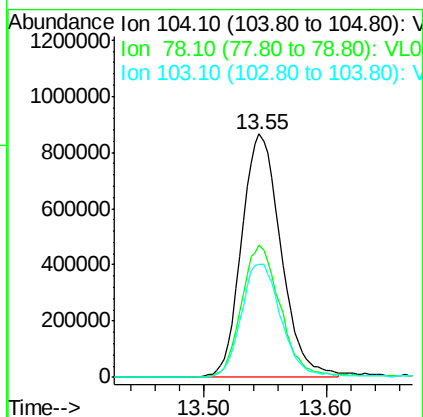
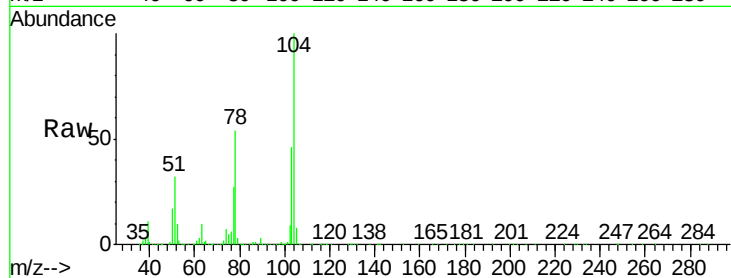
#61
Stvrene
Concen: 9.366 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.8	65.8
103	47.8	38.3	57.5

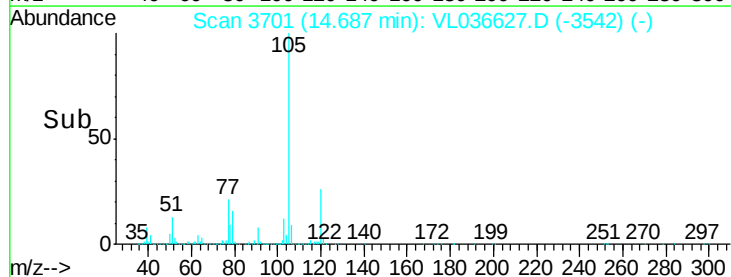
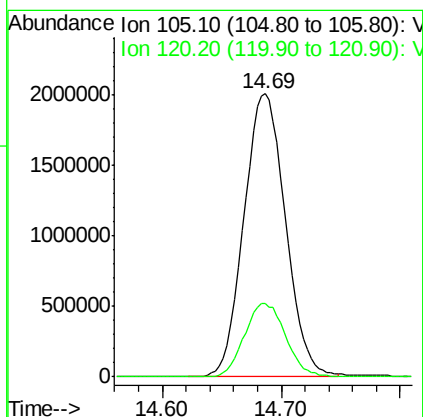
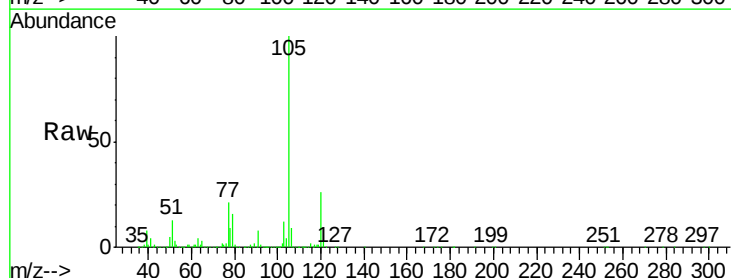
Manual Integrations
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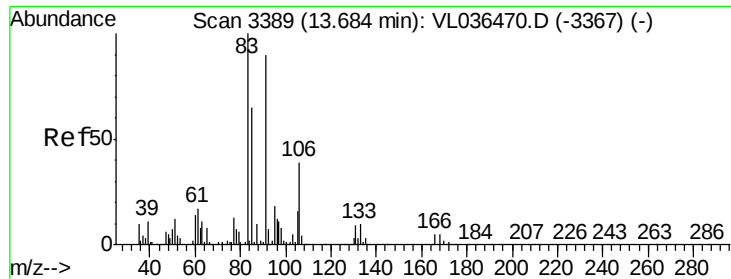
MMDadoda
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#62
Isopropylbenzene
Concen: 8.823 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.305 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 83 Resp: 2590180

Ion Ratio Lower Upper

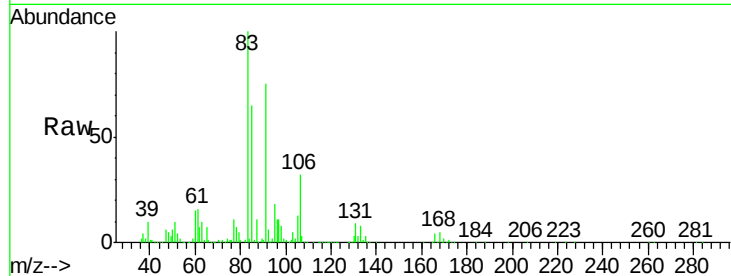
83 100

131 9.4 4.7 14.0

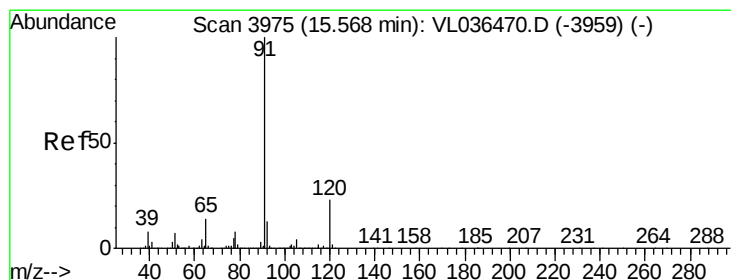
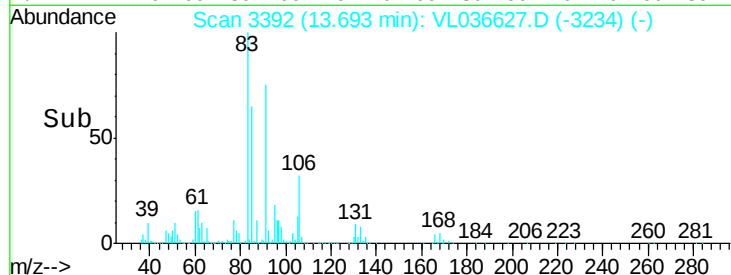
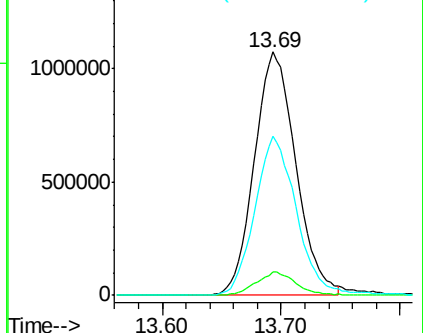
85 66.2 33.1 99.3

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



#64

n-propylbenzene

Concen: 9.545 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL036627.D

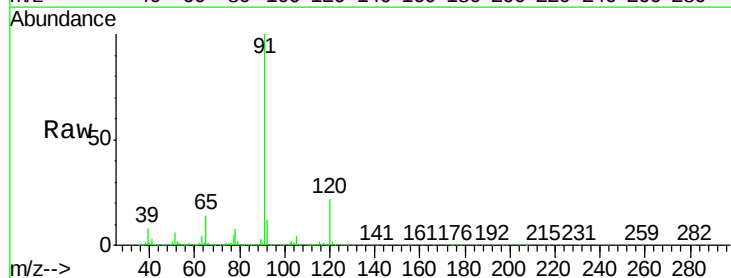
Acq: 1 Apr 2021 8:52

Tgt Ion:120 Resp: 1284854

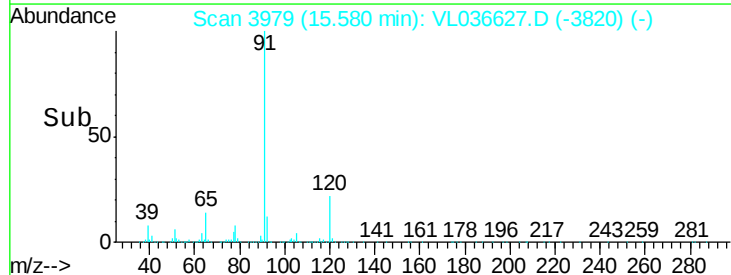
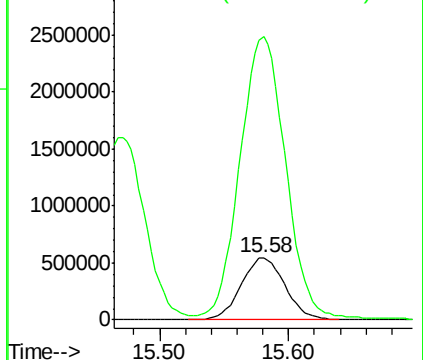
Ion Ratio Lower Upper

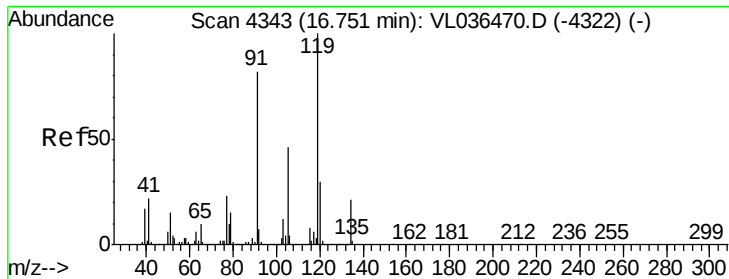
120 100

91 481.7 377.4 566.2



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





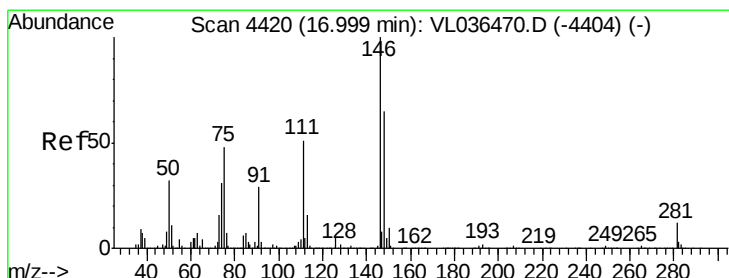
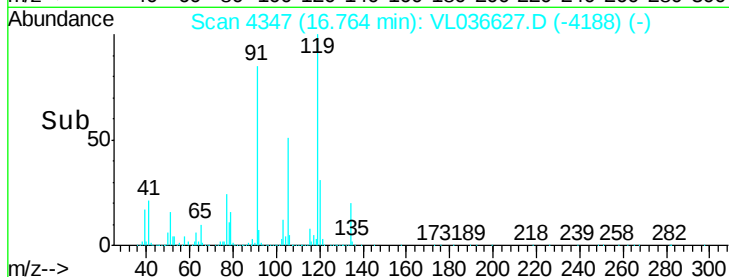
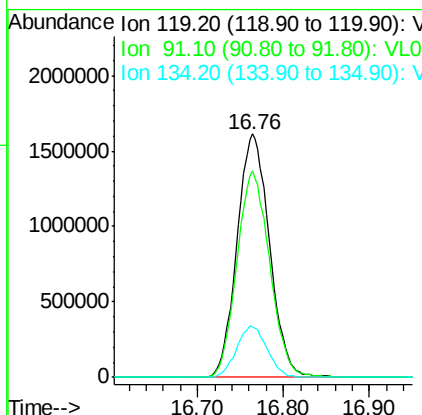
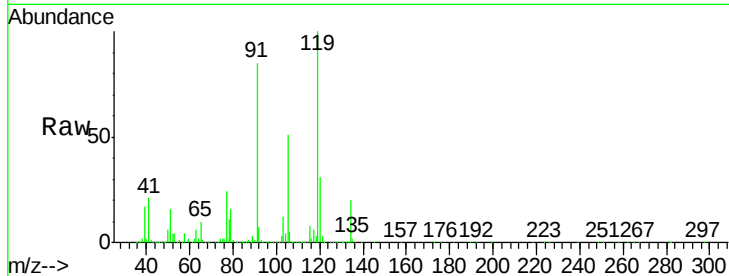
#65
tert-Butylbenzene
Concen: 8.844 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	86.1	67.5	101.3
134	20.0	15.8	23.8

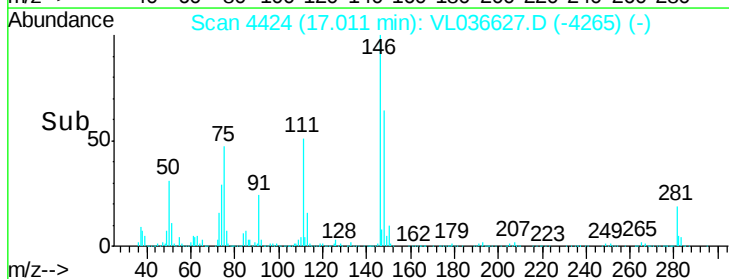
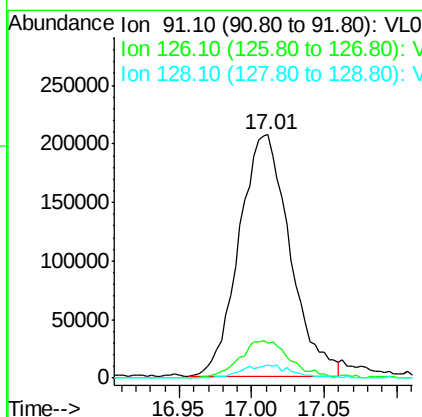
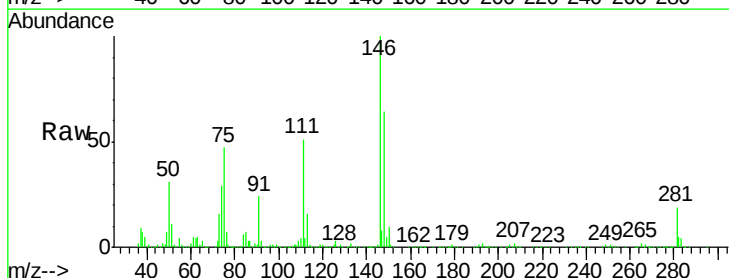
Manual Integrations
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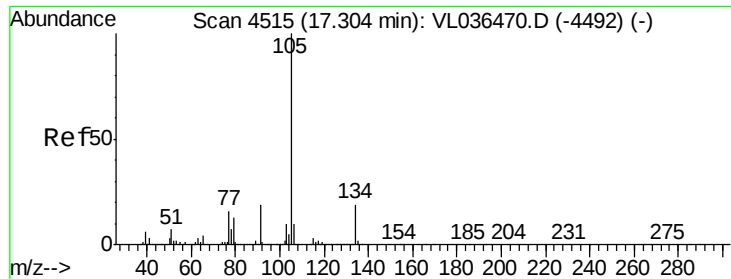
MMDadoda
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#66
Benzyl Chloride
Concen: 9.511 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. 0.01 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.5	20.3
128	5.5	4.2	6.4





#67

sec-Butylbenzene

Concen: 8.886 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 105 Resp: 5988297

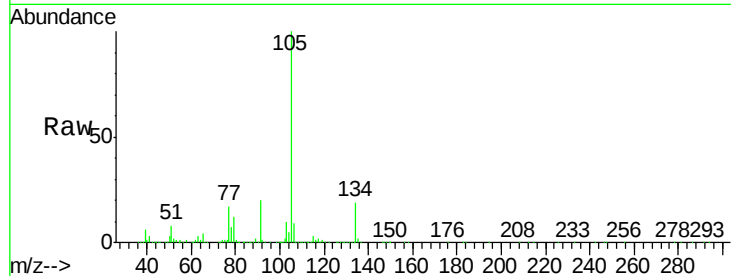
Ion Ratio Lower Upper

105 100

134 18.3 14.7 22.1

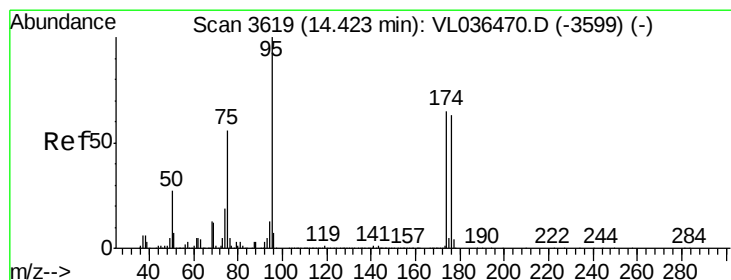
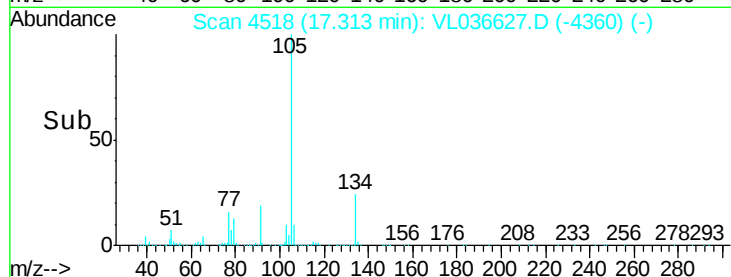
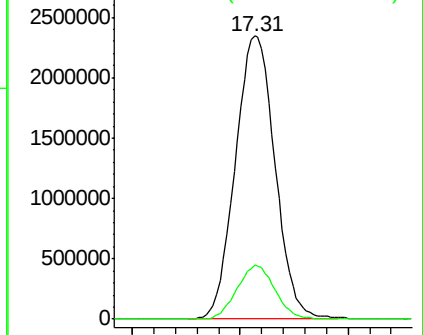
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.431 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

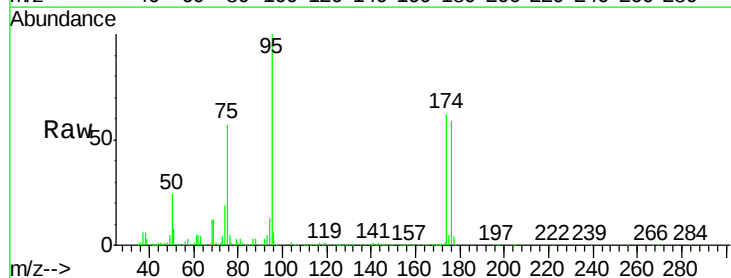
Tgt Ion: 95 Resp: 2770117

Ion Ratio Lower Upper

95 100

174 63.4 51.0 76.6

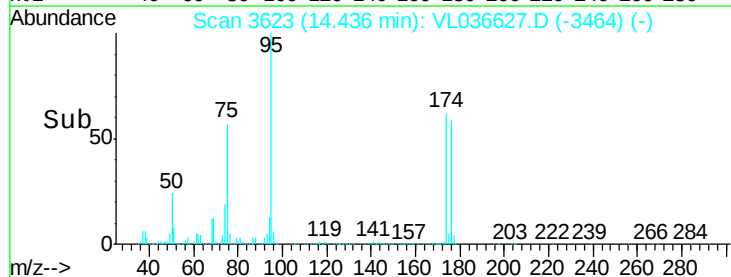
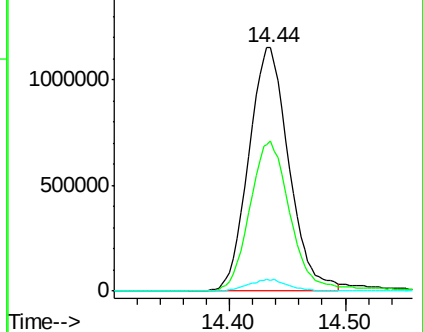
175 4.8 3.9 5.9

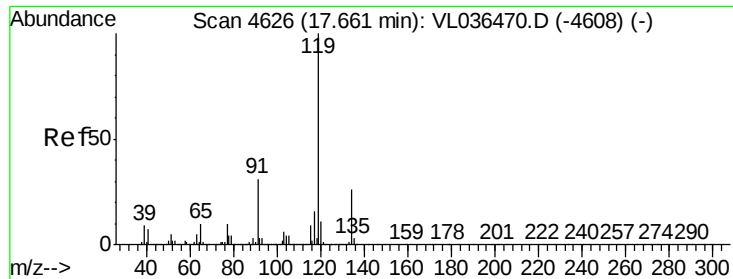


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





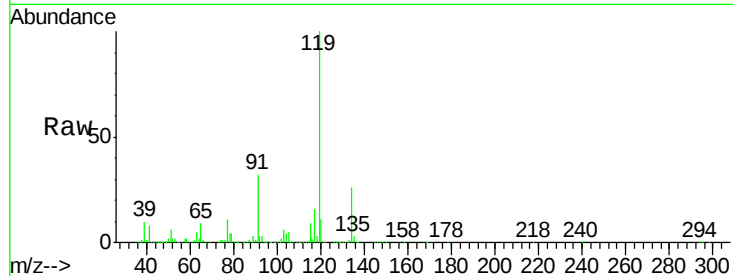
#69
 p-Isopropyltoluene
 Concen: 9.362 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

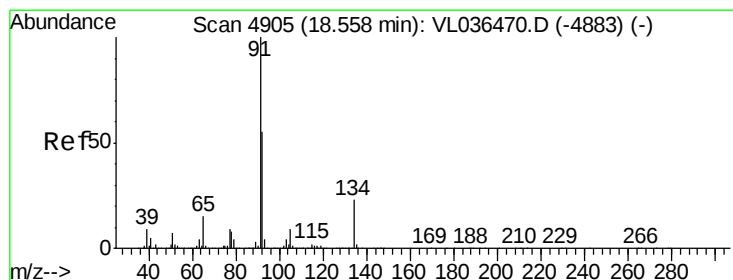
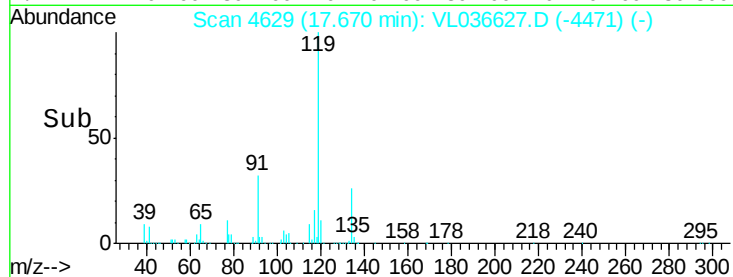
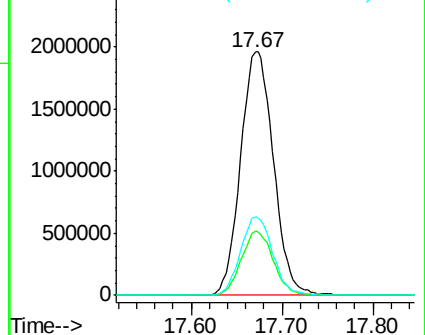
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	31.4	25.0	37.6

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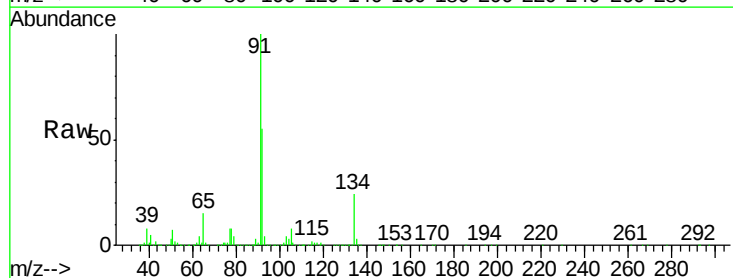


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

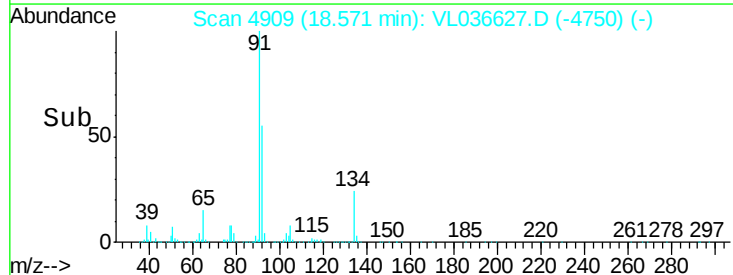
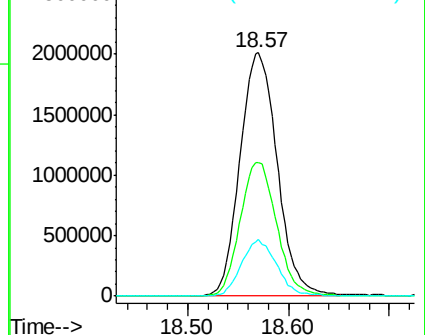


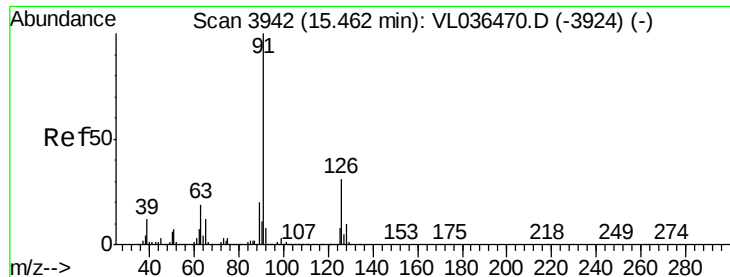
#70
 n-Butylbenzene
 Concen: 9.458 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	22.1	18.0	27.0



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





#71

2-Chlorotoluene

Concen: 9.291 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion: 91 Resp: 3833028

Ion Ratio Lower Upper

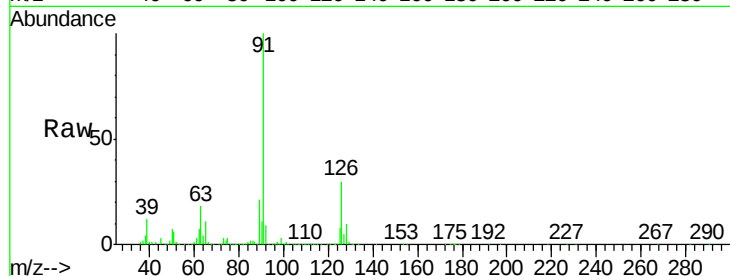
91 100

126 29.5 12.1 48.5

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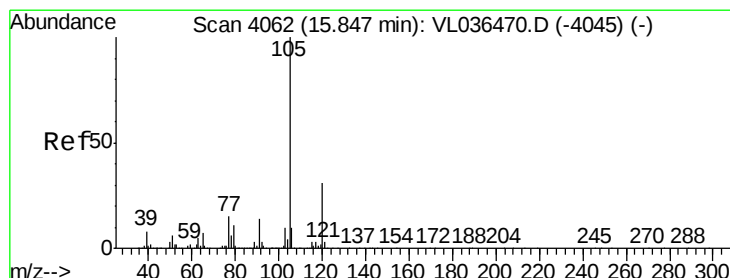
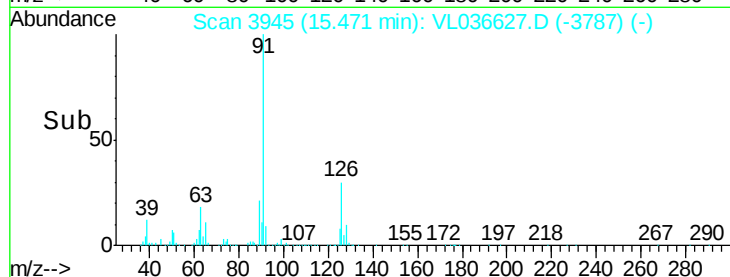
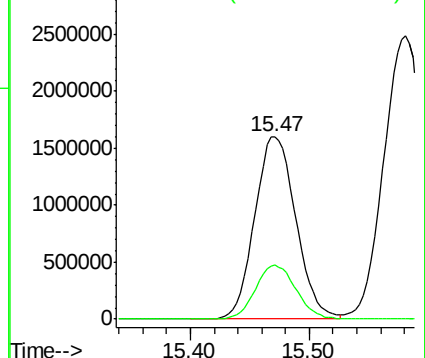
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.235 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Tgt Ion: 105 Resp: 4137244

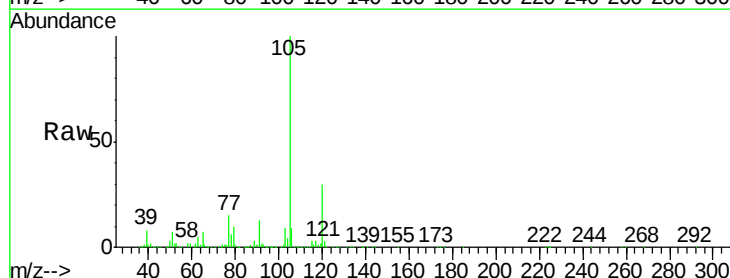
Ion Ratio Lower Upper

105 100

120 31.1 24.0 36.0

91 14.6 11.0 16.4

77 14.8 11.7 17.5

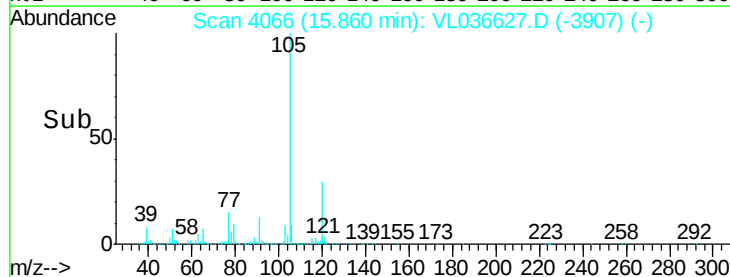
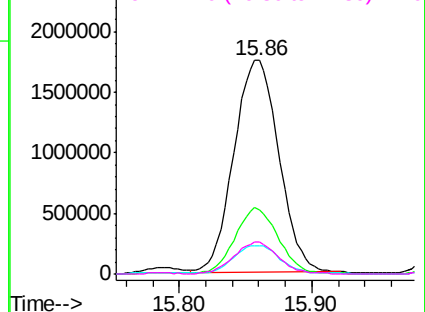


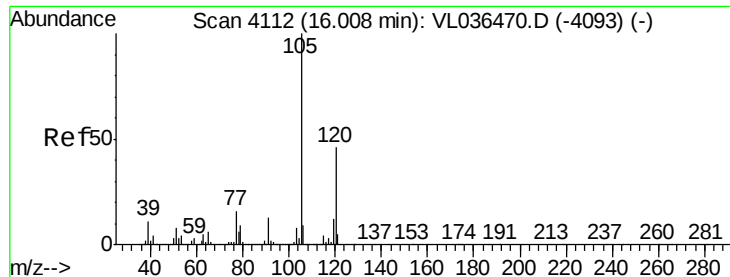
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.959 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Instrument :

MSVOA_L

ClientSampleId :

VL0401ABS01

Tot Ion:105 Resp: 3746183

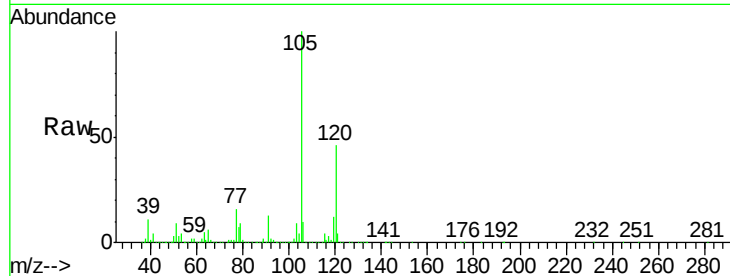
Ion Ratio Lower Upper

105 100

120 45.7 36.6 54.8

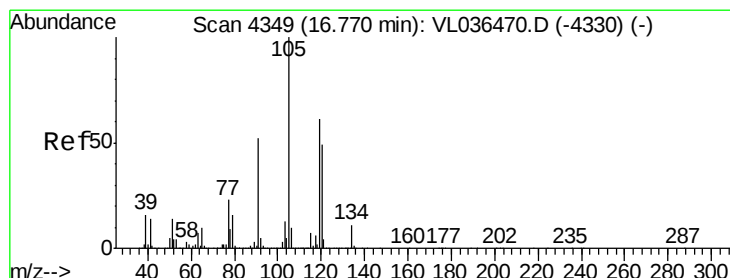
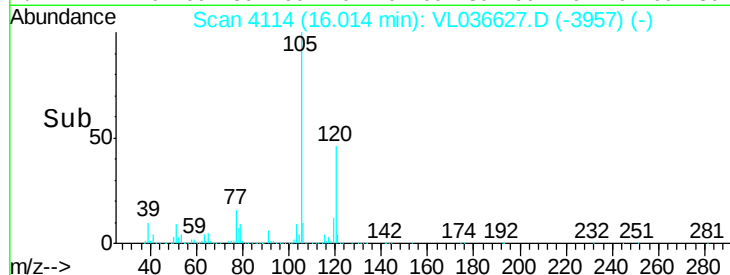
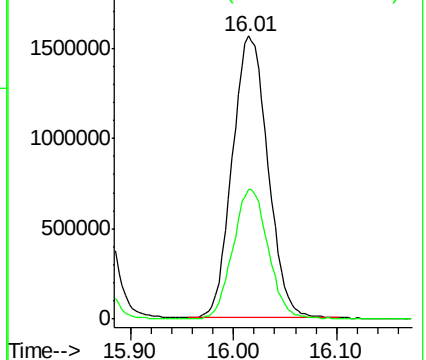
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.603 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.02 min

Lab File: VL036627.D

Acq: 1 Apr 2021 8:52

Tgt Ion:105 Resp: 3849764

Ion Ratio Lower Upper

105 100

120 45.2 39.2 58.8

91 40.5 42.6 64.0#

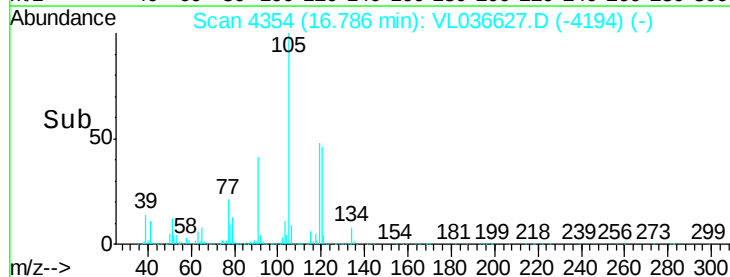
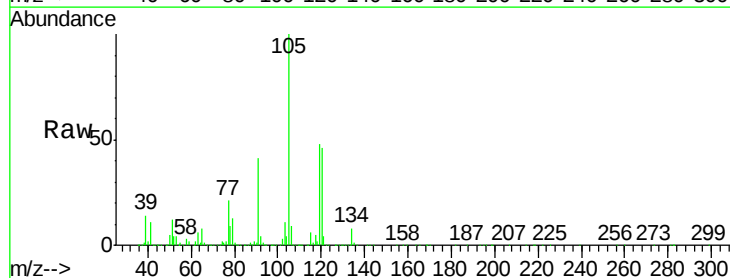
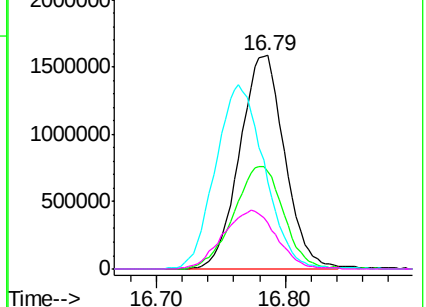
77 21.0 18.6 28.0

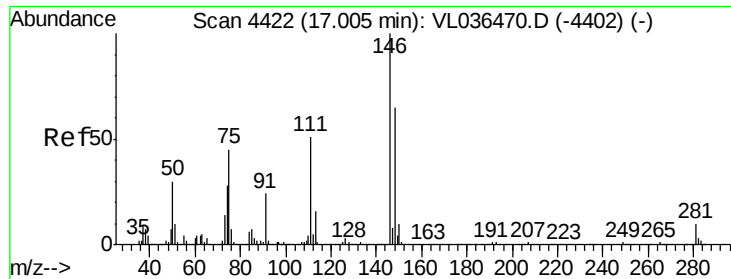
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





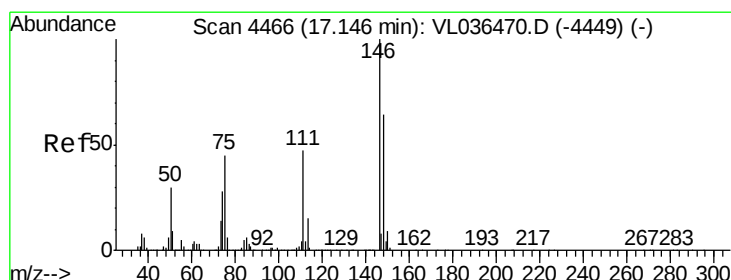
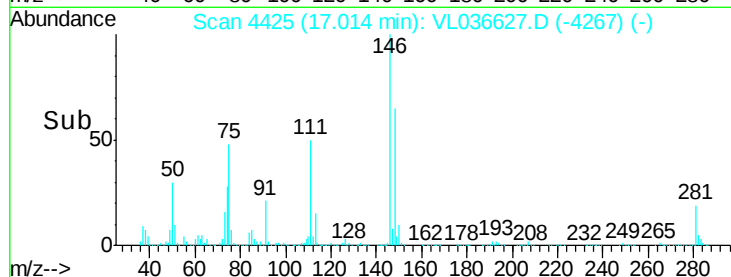
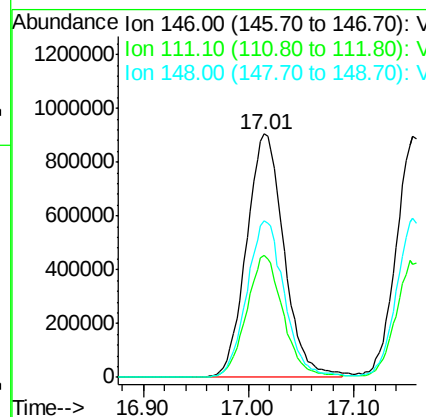
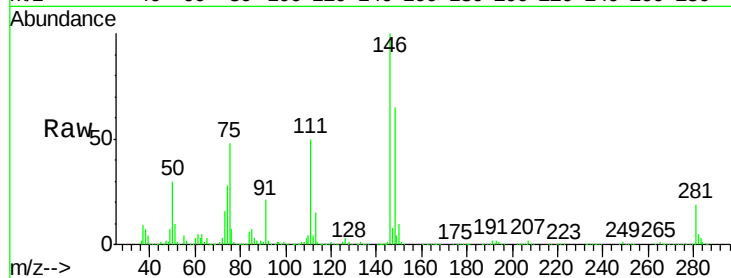
#75
 1,3-Dichlorobenzene
 Concen: 8.896 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.5	73.5
148	64.4	32.3	96.9

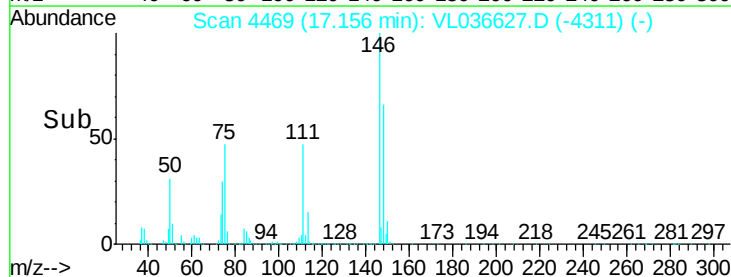
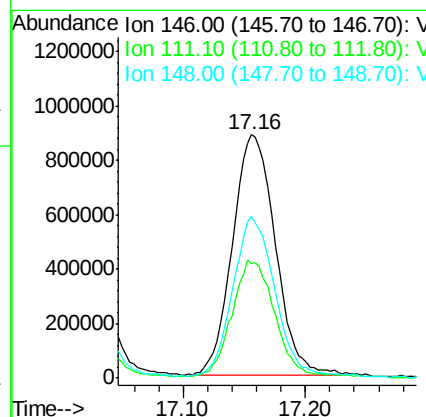
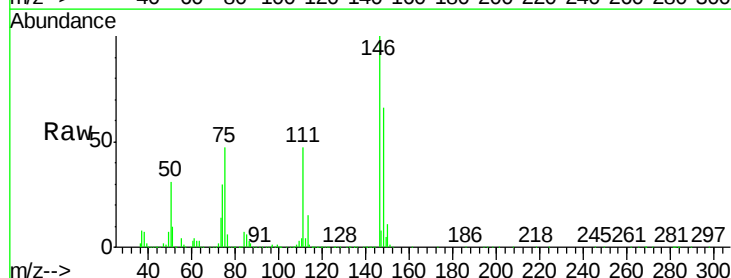
Manual Integrations
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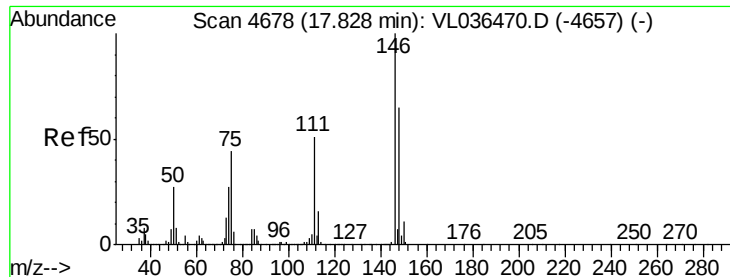
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#76
 1,4-Dichlorobenzene
 Concen: 8.617 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.4	24.3	72.8
148	66.8	33.0	98.9





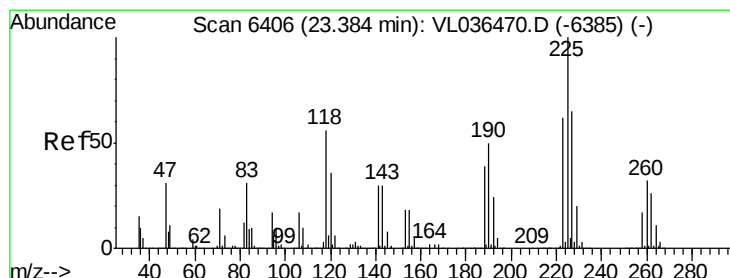
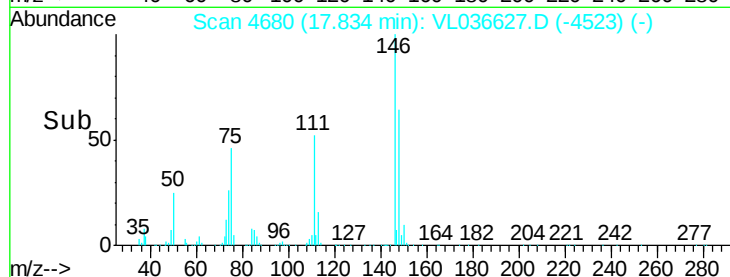
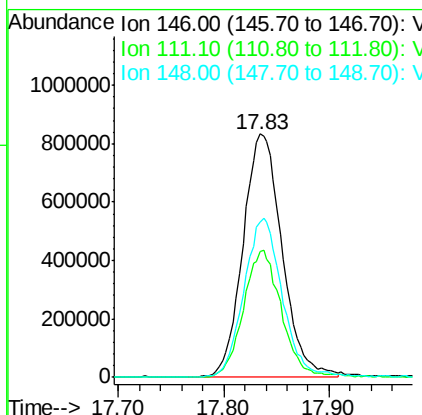
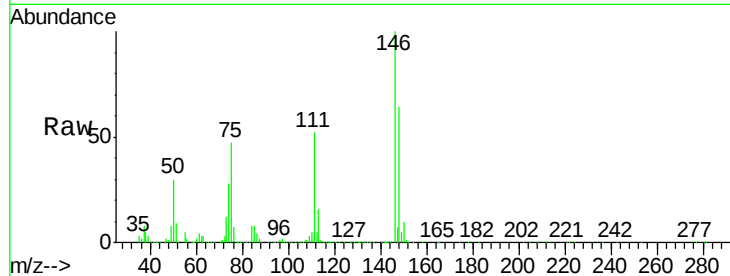
#77
 1,2-Dichlorobenzene
 Concen: 9.055 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.0	25.5	76.5
148	64.7	32.9	98.6

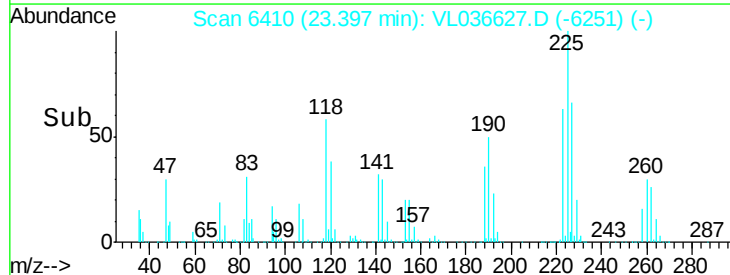
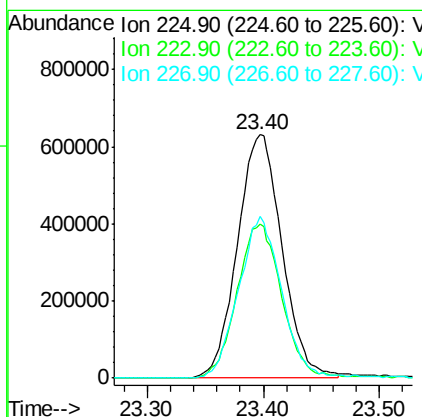
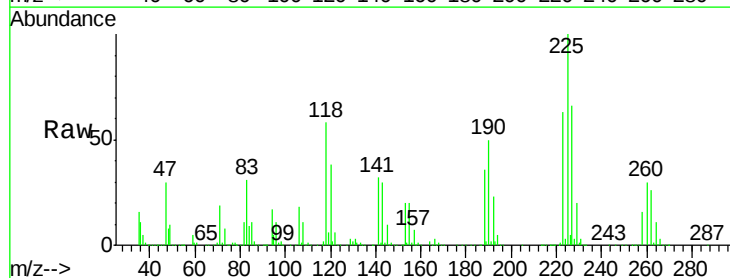
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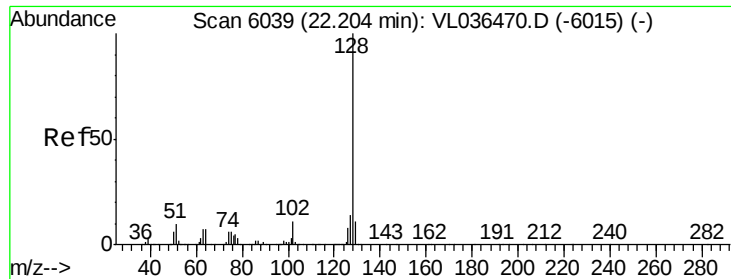
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.925 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.6	75.8
227	64.7	52.2	78.2





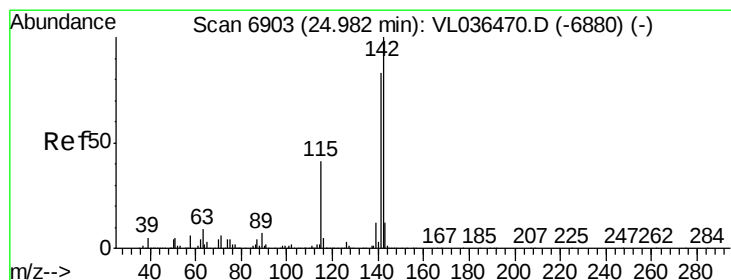
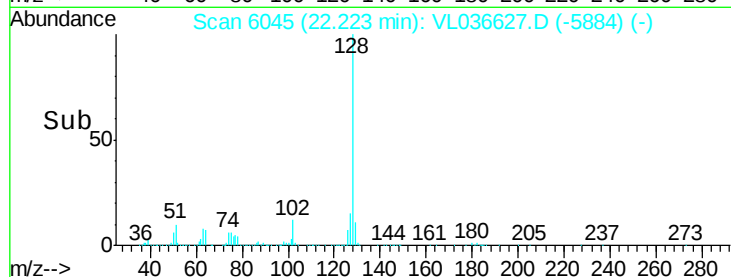
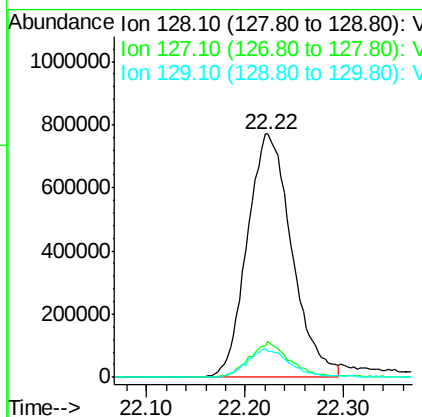
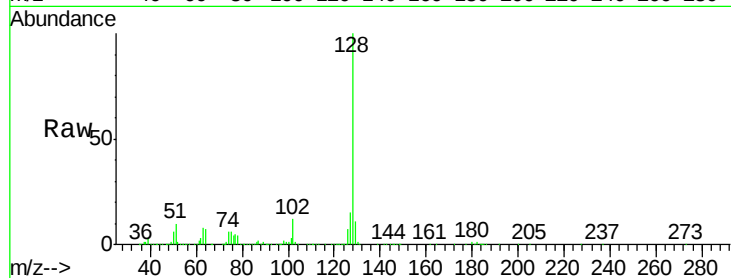
#79
Naphthalene
Concen: 9.220 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.02 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Instrument :
MSVOA_L
ClientSampleId :
VL0401ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.9	16.3
129	10.8	9.0	13.4

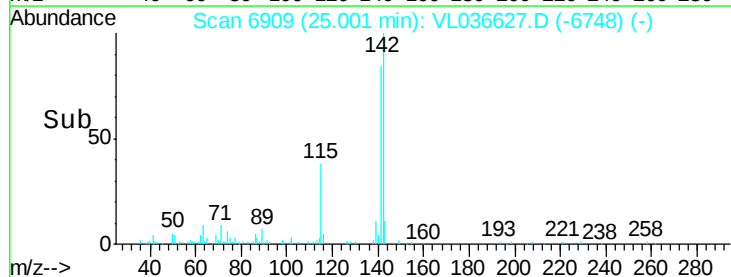
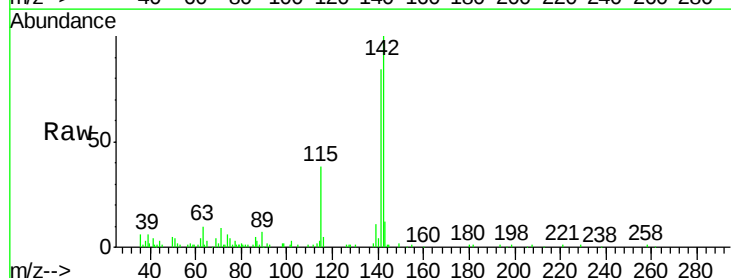
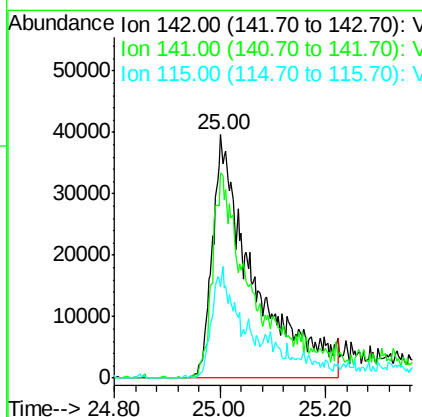
Manual Integrations
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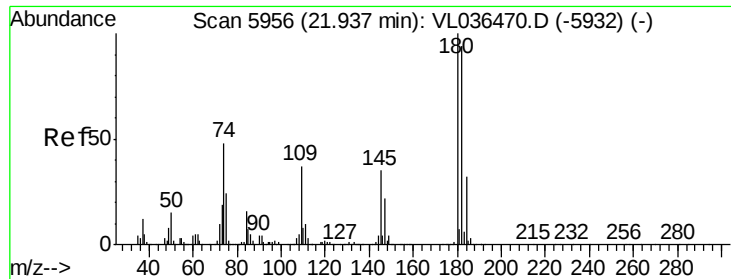
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#80
Naphthalene, 2-methyl-
Concen: 4.230 ppbv m
RT: 25.00 min Scan# 6909
Delta R.T. 0.02 min
Lab File: VL036627.D
Acq: 1 Apr 2021 8:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	60.3	67.8	101.8#
115	38.8	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.389 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL036627.D
 Acq: 1 Apr 2021 8:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0401ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	80.8	121.2
184	32.2	25.0	37.4

Manual Integrations
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