

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036696.D
 Acq On : 6 Apr 2021 9:14
 Operator : SY/AP
 Sample : VL0405ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:50 PM

Quant Time: Apr 06 10:12:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 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	1294154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3372157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3230304	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2543680	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1681617	7.967	ppbv	98
3) Chlorodifluoromethane	2.99	51	2335181	9.658	ppbv	99
4) Chloromethane	3.14	50	846430	9.911	ppbv	93
5) Vinyl Chloride	3.26	62	835861	9.518	ppbv	100
6) Bromomethane	3.47	94	452724	9.364	ppbv	97
7) Chloroethane	3.56	64	287077	9.514	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	1899919	9.431	ppbv	97
9) Propene	3.01	41	787363	10.214	ppbv	99
10) Heptane	8.12	43	2029762	10.336	ppbv	100
11) Trichlorofluoromethane	3.95	101	1949874	9.064	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1330924	9.677	ppbv	99
13) Ethanol	3.61	45	99020	10.787	ppbv	99
14) Bromoethene	3.74	108	549734	9.615	ppbv	98
15) Acetone	3.86	43	1050427m	8.247	ppbv	
16) 1,3-Butadiene	3.32	39	986224	11.121	ppbv	90
17) tert-Butyl alcohol	4.29	59	1225179	11.049	ppbv	100
18) 1,1-Dichloroethene	4.29	96	589032	9.628	ppbv	96
19) Isopropyl Alcohol	3.97	45	743101	10.605	ppbv	98
20) Methylene Chloride	4.34	84	520208	8.723	ppbv	97
21) Allyl Chloride	4.41	41	1020117	10.047	ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	594791	10.487	ppbv	94
23) Vinyl Acetate	5.07	43	2323584m	10.665	ppbv	
24) 1,1-Dichloroethane	5.01	63	1509813	9.507	ppbv	99
25) Ethyl Acetate	5.68	43	3195664	10.553	ppbv	99
26) Hexane	5.69	57	1563503	11.126	ppbv	95
27) Carbon Disulfide	4.55	76	1400510	10.117	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1699728	10.256	ppbv	99
29) Chloroform	5.75	83	2200761	9.792	ppbv	98
30) Cyclohexane	7.13	84	1242297	10.900	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1427045	10.499	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2243374	9.905	ppbv	99
34) 2-Butanone	5.24	43	1516055	9.210	ppbv	98
35) Carbon Tetrachloride	7.02	117	2336001	9.019	ppbv	99
36) Benzene	6.89	78	3010903	9.681	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1692065	9.244	ppbv	100
38) Trichloroethene	7.83	130	1096813	9.062	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1154256	9.149	ppbv	96
40) 1,4-Dioxane	7.83	88	282288	9.614	ppbv	78
41) Tetrahydrofuran	6.05	42	754690	9.944	ppbv	96
42) Bromodichloromethane	7.79	83	2350469	9.440	ppbv	97
43) Methyl Methacrylate	8.01	69	1104679	10.578	ppbv	98

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Manual Integrations
 APPROVED

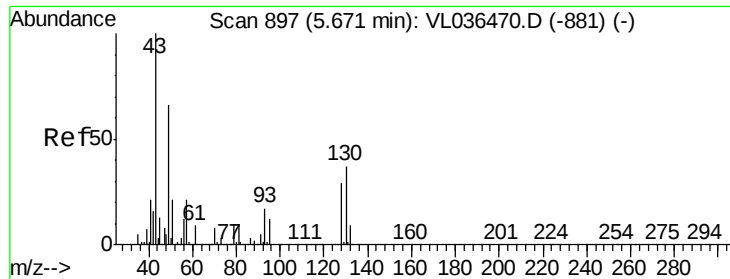
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 4/6/2021 5:14:50 PM

Quant Time: Apr 06 10:12:34 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)

44) 2,2,4-Trimethylpentane	7.87	57	5732510	10.473	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1307543	10.965	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1625071	10.661	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1187353	9.292	ppbv	98
48) Dibromochloromethane	10.31	129	1988495	10.208	ppbv	100
49) Bromoform	13.05	173	1598314	10.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2358254	9.901	ppbv	99
51) 2-Hexanone	10.14	43	1298783	10.806	ppbv #	100
52) Tetrachloroethene	11.23	164	1026232	8.961	ppbv	95
53) Toluene	9.81	91	3359667	10.144	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1741182	9.649	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1326863	9.081	ppbv	98
57) Chlorobenzene	12.15	112	2431094	8.845	ppbv	98
58) Ethyl Benzene	12.72	91	4386809	9.334	ppbv	99
59) m/p-Xylene	13.00	91	7381797m	18.008	ppbv	
60) o-Xylene	13.70	91	3485813	8.795	ppbv	100
61) Styrene	13.53	104	2112211	10.593	ppbv	99
62) Isopropylbenzene	14.67	105	4782370	8.960	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2422800	8.013	ppbv	99
64) n-propylbenzene	15.57	120	1236475	9.475	ppbv	99
65) tert-Butylbenzene	16.75	119	4154482	8.976	ppbv	99
66) Benzyl Chloride	17.00	91	632041	12.355	ppbv	99
67) sec-Butylbenzene	17.30	105	5774592	8.839	ppbv	100
69) p-Isopropyltoluene	17.66	119	4800977	9.411	ppbv	99
70) n-Butylbenzene	18.56	91	4841830	9.153	ppbv	99
71) 2-Chlorotoluene	15.46	91	3637418	9.095	ppbv	100
72) 4-Ethyltoluene	15.84	105	4090379	9.418	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3731893	9.207	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3847389	8.869	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2198658	9.005	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2152802	8.880	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2094933	9.128	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1656539	8.059	ppbv	99
79) Naphthalene	22.20	128	2736781	10.812	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	784340	15.714	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1560529	9.985	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 49 Resp: 1294154

Ion Ratio Lower Upper

49 100

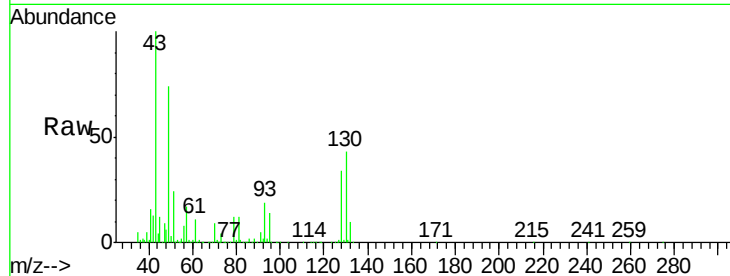
128 49.3 23.5 70.6

130 61.3 29.1 87.4

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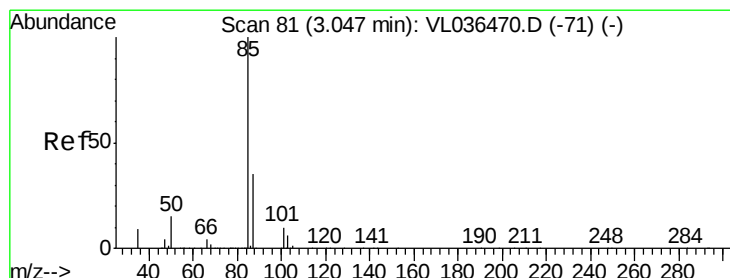
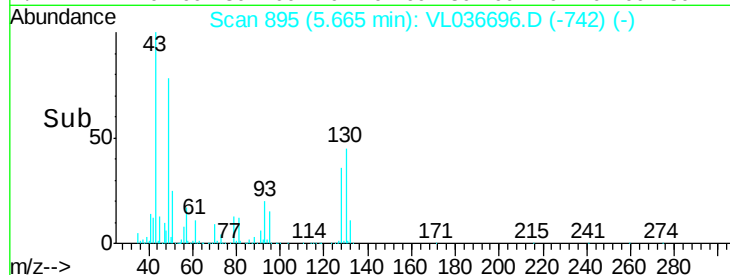
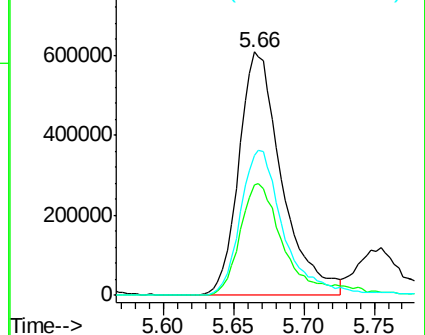
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.967 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036696.D

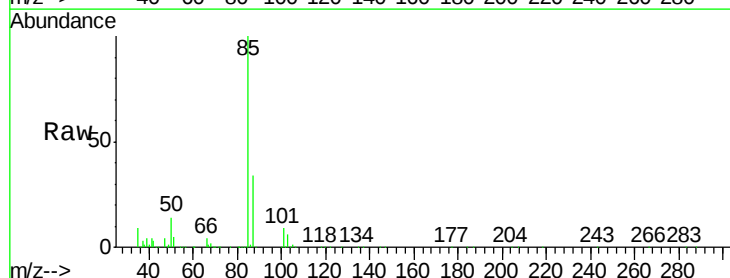
Acq: 6 Apr 2021 9:14

Tgt Ion: 85 Resp: 1681617

Ion Ratio Lower Upper

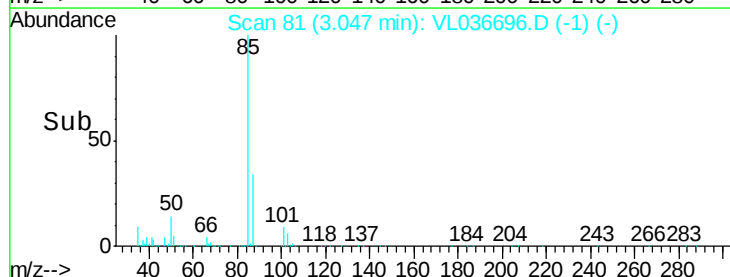
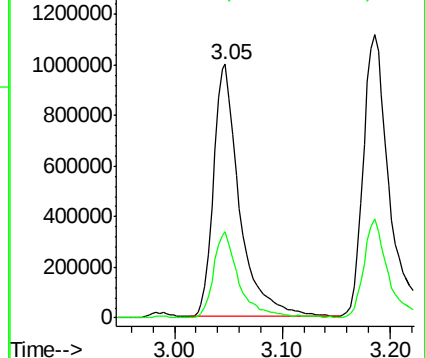
85 100

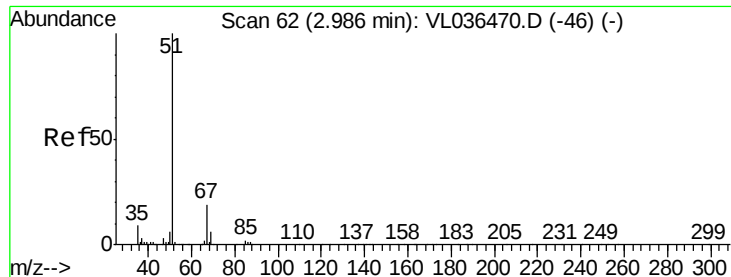
87 33.9 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





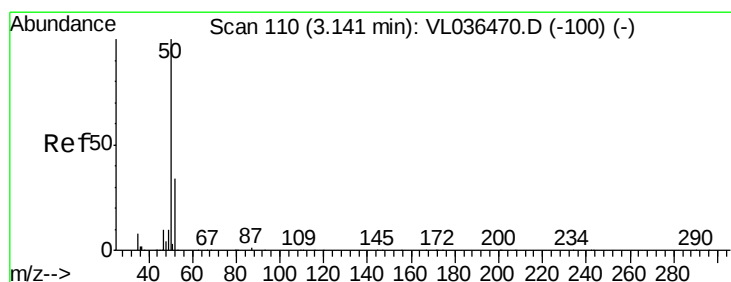
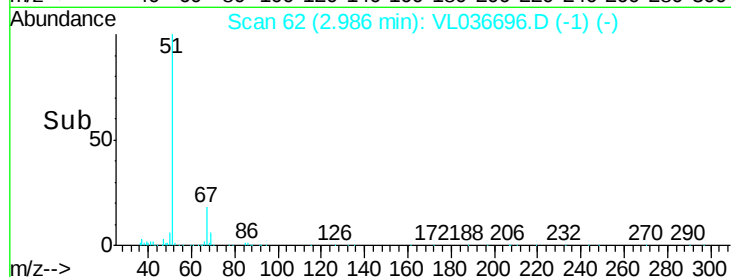
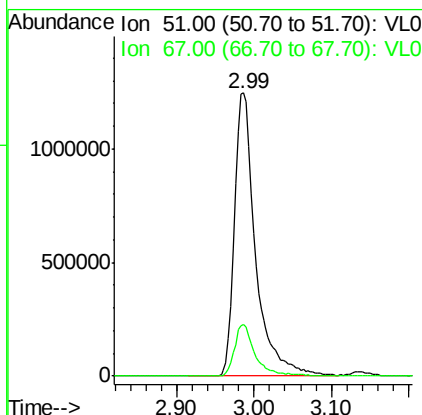
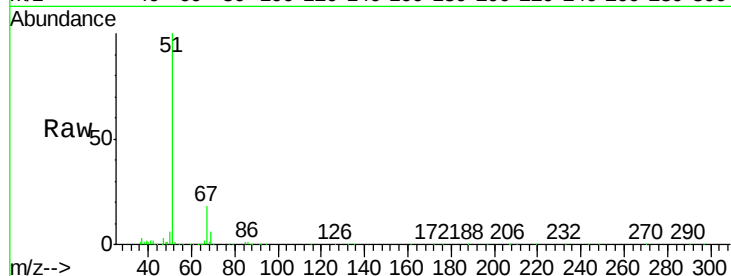
#3
Chlorodifluoromethane
Concen: 9.658 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 51 Resp: 2335181
Ion Ratio Lower Upper
51 100
67 17.9 14.7 22.1

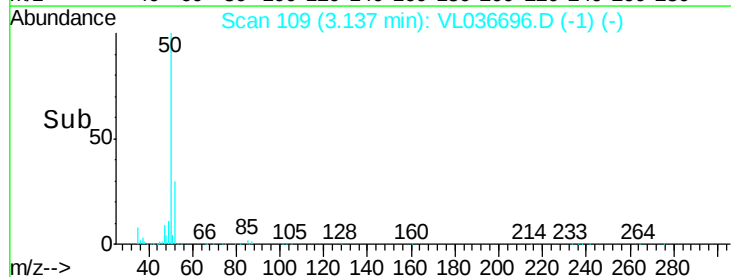
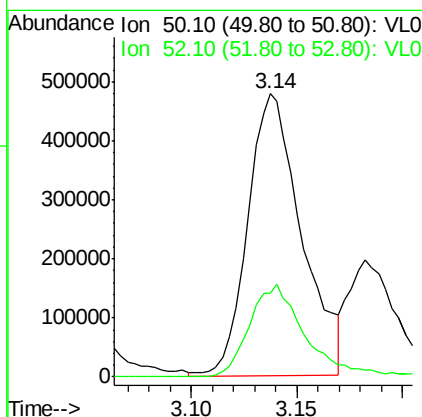
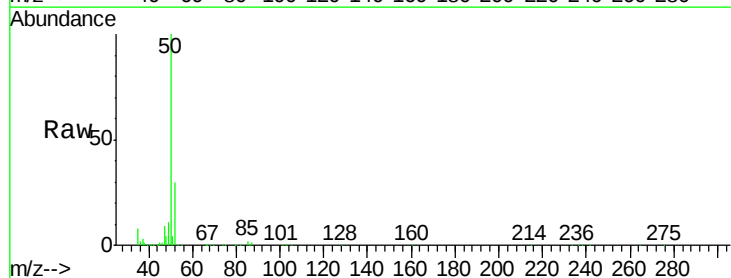
Manual Integrations
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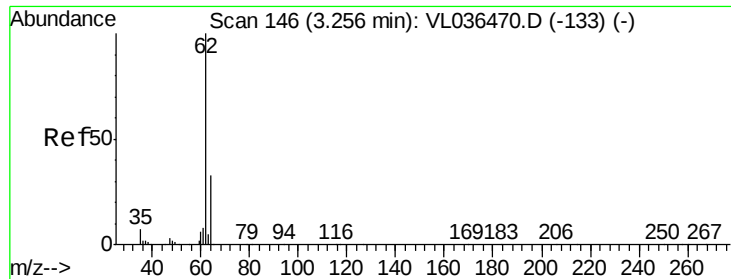
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#4
Chloromethane
Concen: 9.911 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 50 Resp: 846430
Ion Ratio Lower Upper
50 100
52 30.0 27.0 40.6





#5

Vinyl Chloride

Concen: 9.518 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 62 Resp: 835861

Ion Ratio Lower Upper

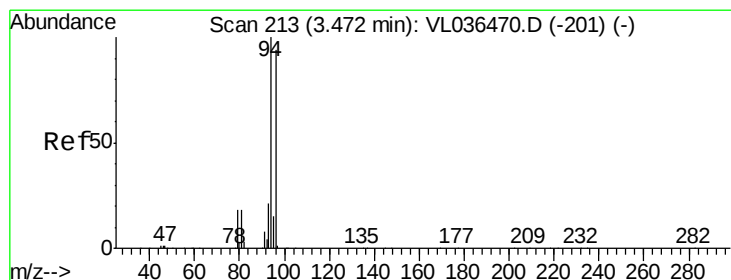
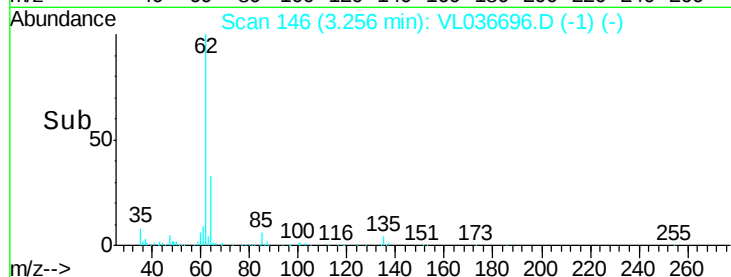
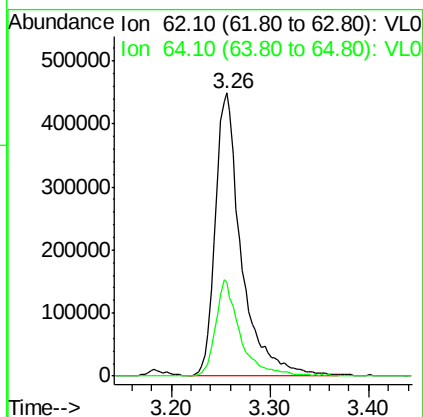
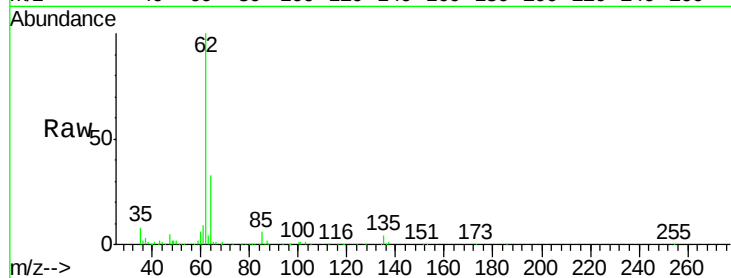
62 100

64 33.1 26.4 39.6

Manual Integrations
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4/6/2021 5:14:50 PM



#6

Bromomethane

Concen: 9.364 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036696.D

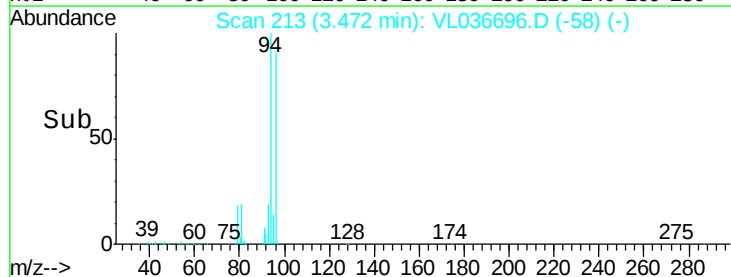
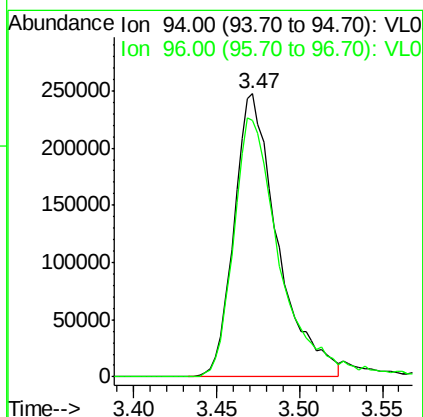
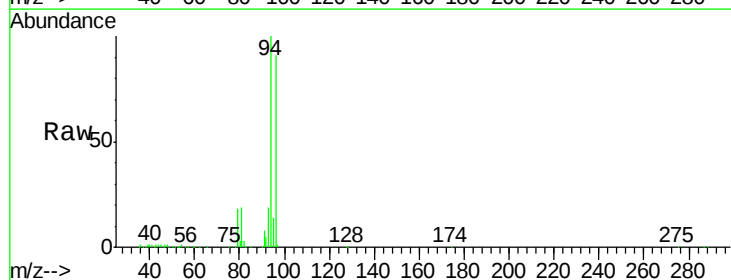
Acq: 6 Apr 2021 9:14

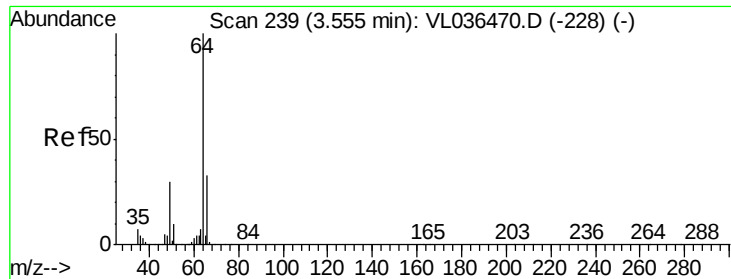
Tgt Ion: 94 Resp: 452724

Ion Ratio Lower Upper

94 100

96 90.7 74.9 112.3





#7

Chloroethane

Concen: 9.514 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 64 Resp: 287077

Ion Ratio Lower Upper

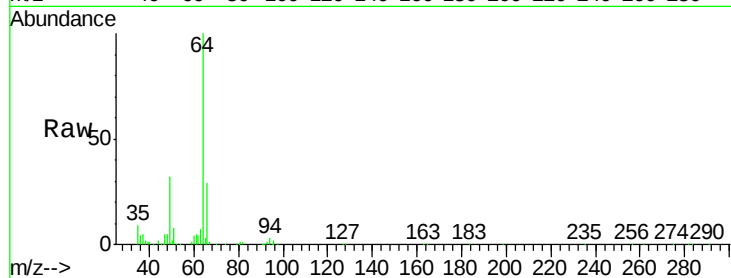
64 100

66 28.8 26.2 39.2

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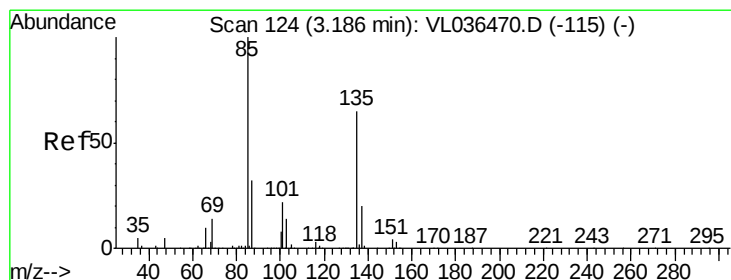
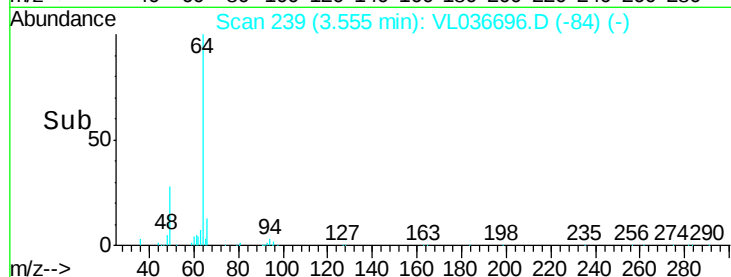
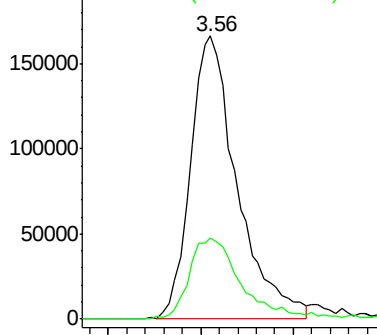
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.431 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL036696.D

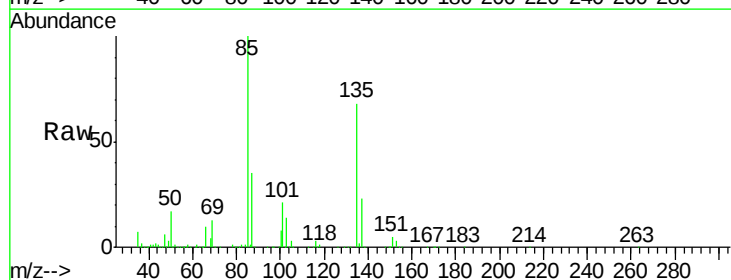
Acq: 6 Apr 2021 9:14

Tgt Ion: 85 Resp: 1899919

Ion Ratio Lower Upper

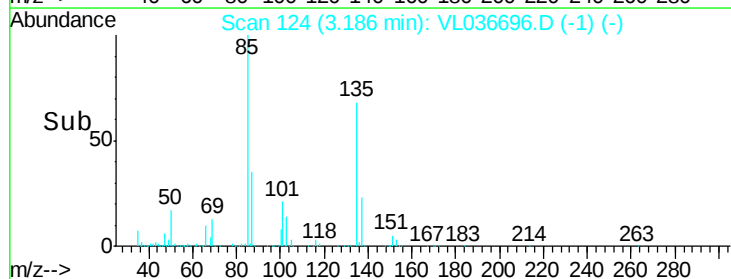
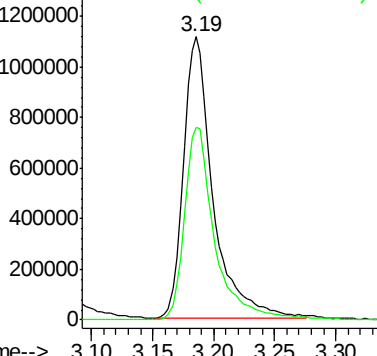
85 100

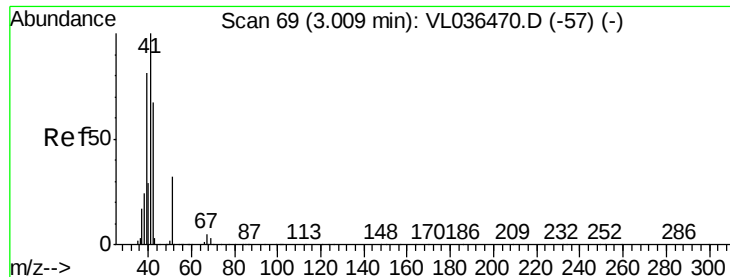
135 70.7 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.214 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 41 Resp: 787363

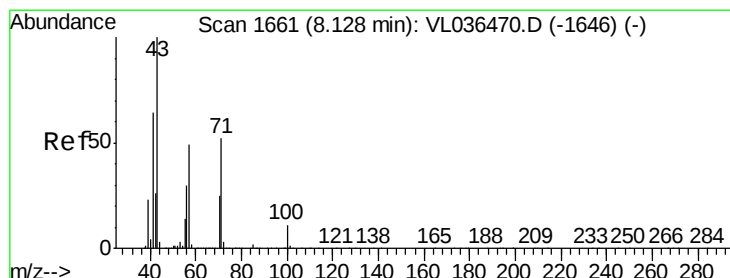
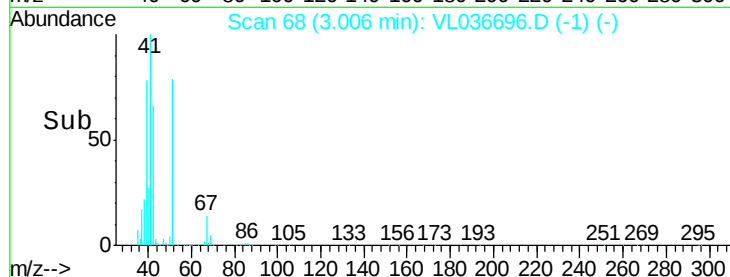
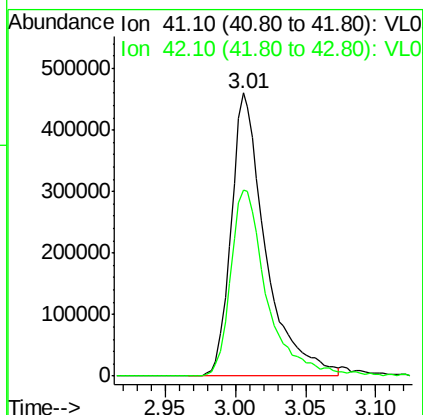
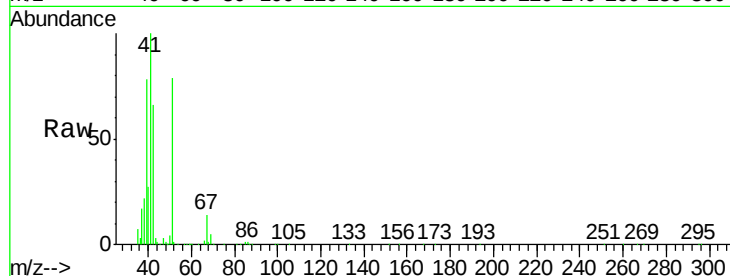
Ion Ratio Lower Upper

41 100

42 70.1 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 10.336 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036696.D

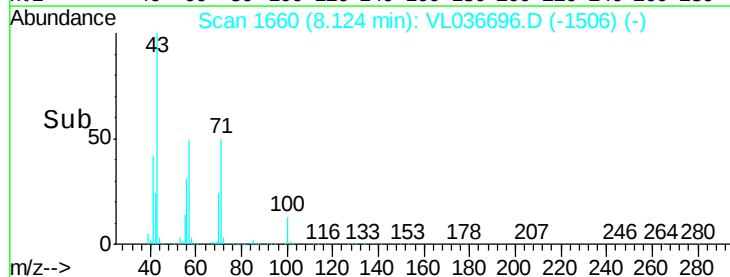
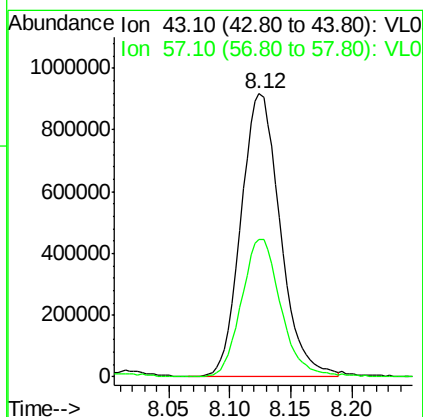
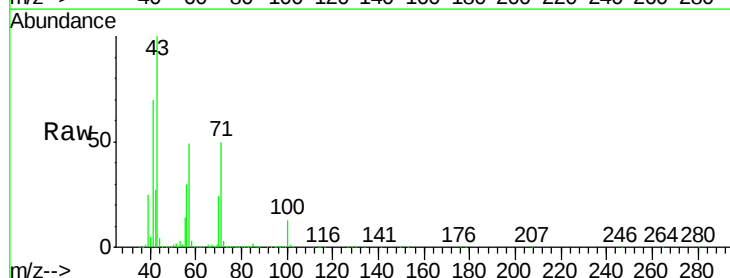
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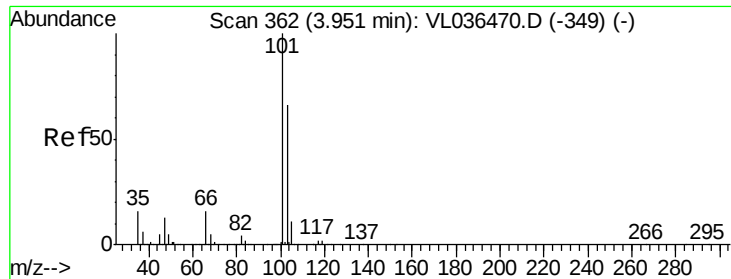
Tgt Ion: 43 Resp: 2029762

Ion Ratio Lower Upper

43 100

57 49.1 39.0 58.6





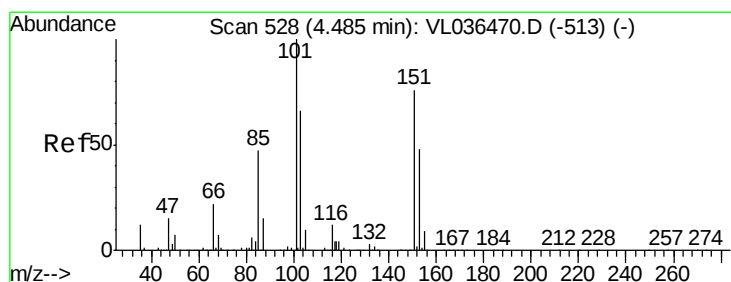
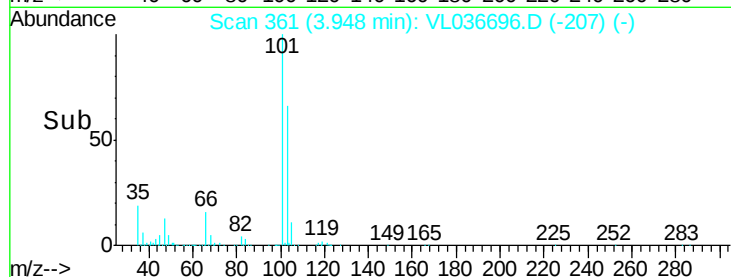
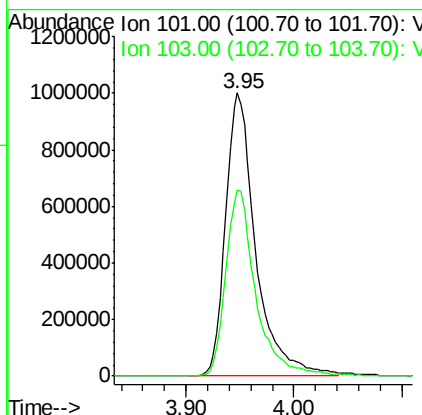
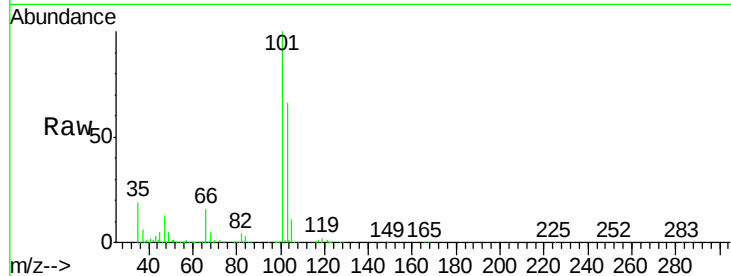
#11
 Trichlorofluoromethane
 Concen: 9.064 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion:101 Resp: 1949874
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.5 78.7

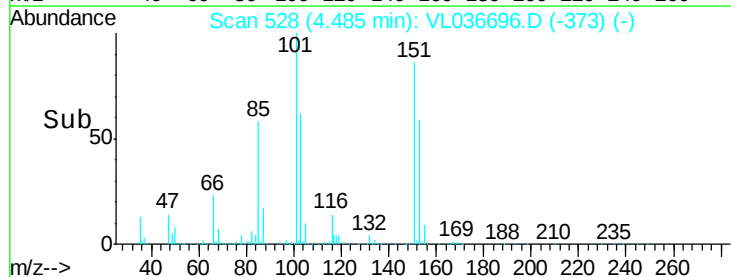
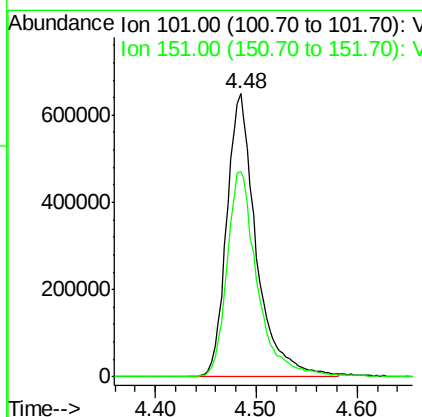
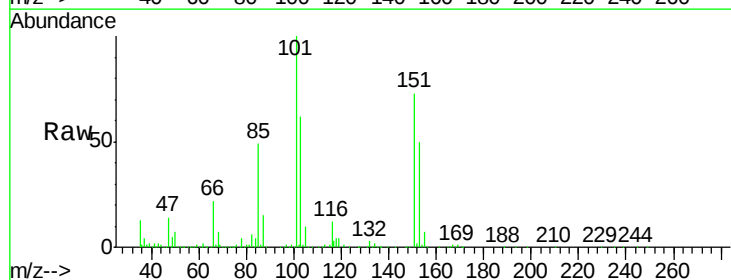
Manual Integrations
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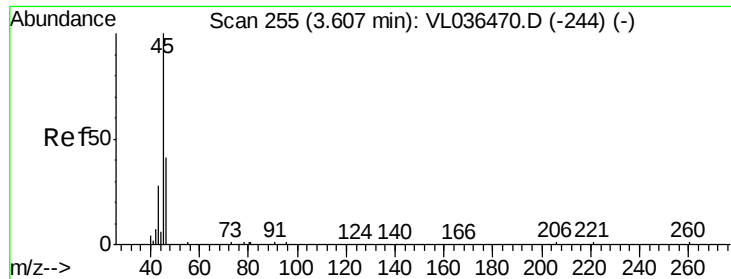
MMDadoda
 4/6/2021 5:14:50 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.677 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion:101 Resp: 1330924
 Ion Ratio Lower Upper
 101 100
 151 74.9 60.9 91.3





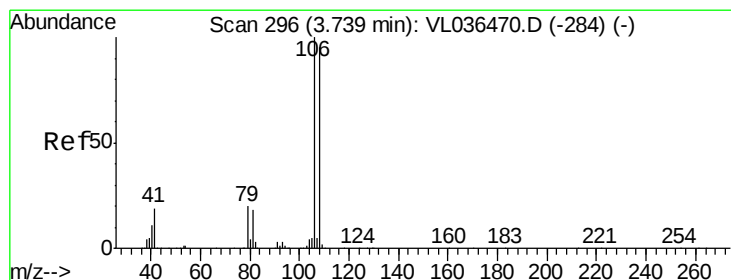
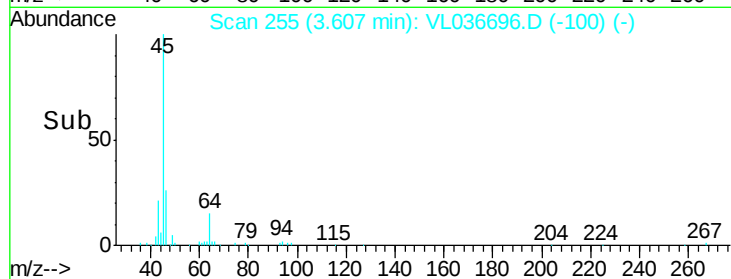
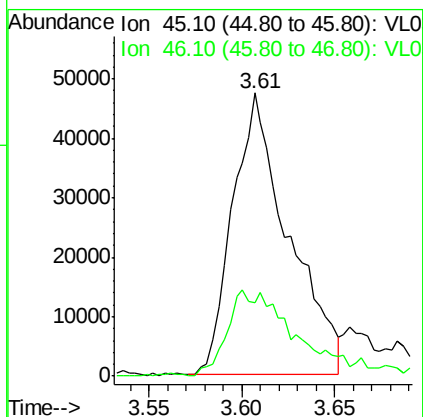
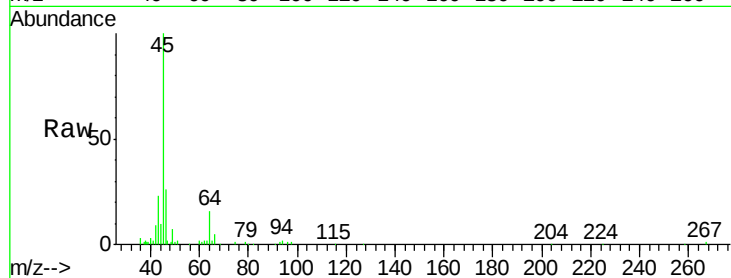
#13
Ethanol
Concen: 10.787 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	40.9	16.6	66.2

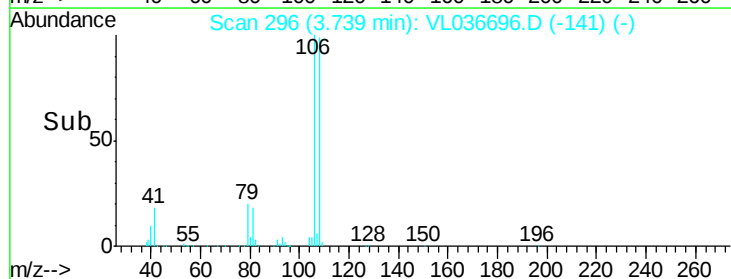
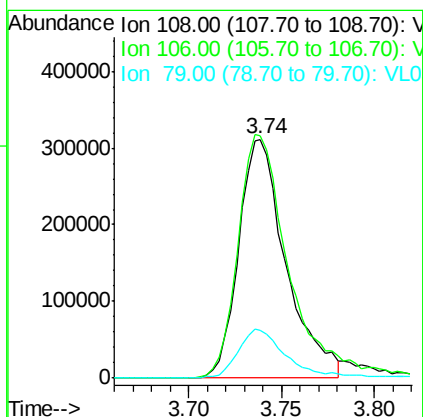
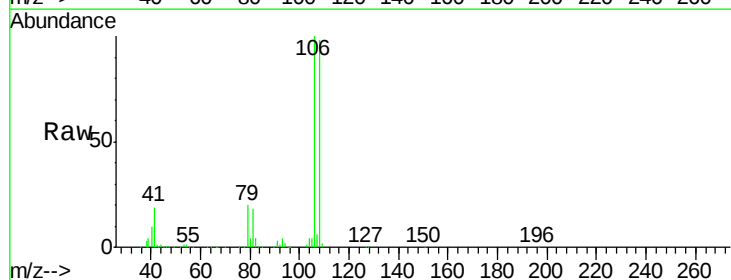
Manual Integrations
APPROVED

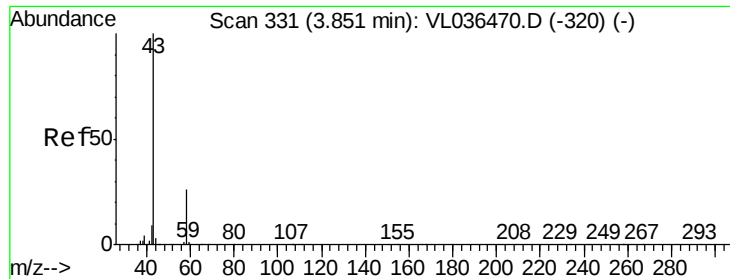
MMDadoda
4/6/2021 5:14:50 PM



#14
Bromoethene
Concen: 9.615 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
108	100		
106	113.3	89.0	133.6
79	21.7	16.6	25.0





#15

Acetone

Concen: 8.247 ppbv m

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tot Ion: 43 Resp: 1050427

Ion Ratio Lower Upper

43 100

58 31.2 21.2 31.8

Instrument :

MSVOA_L

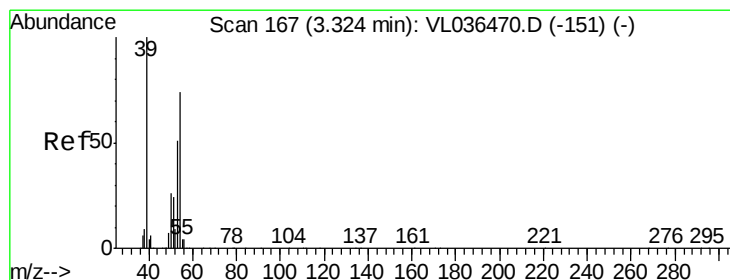
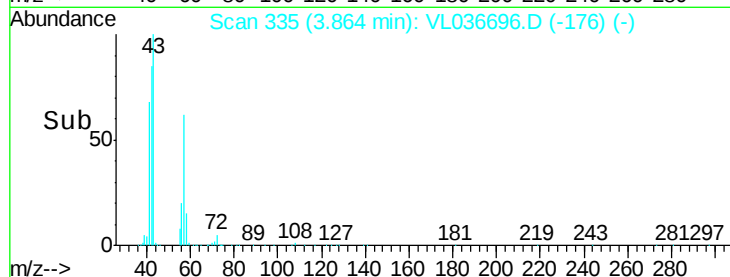
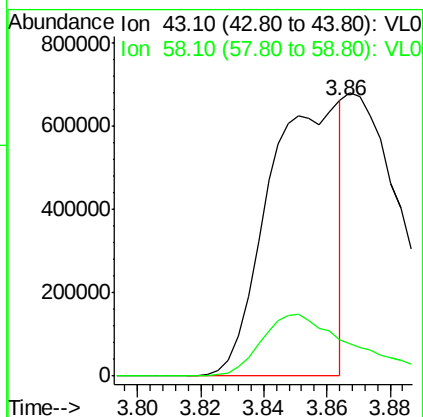
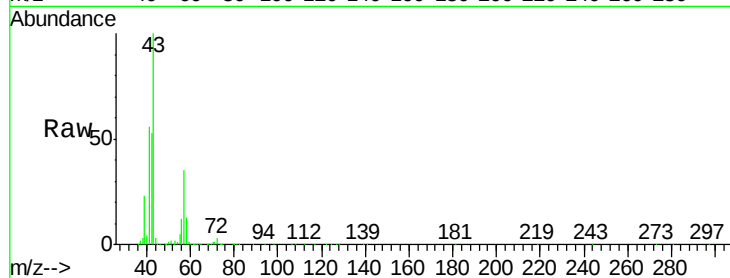
ClientSampleId :

VL0405ABS01

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4/6/2021 5:14:50 PM



#16

1,3-Butadiene

Concen: 11.121 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL036696.D

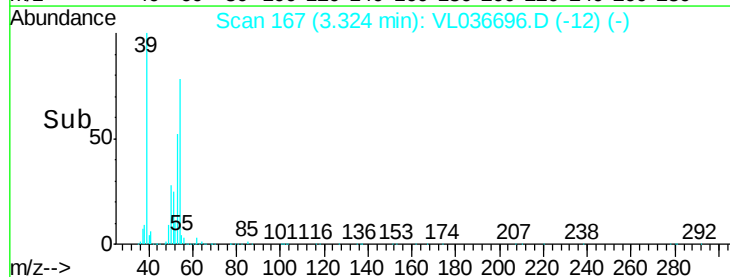
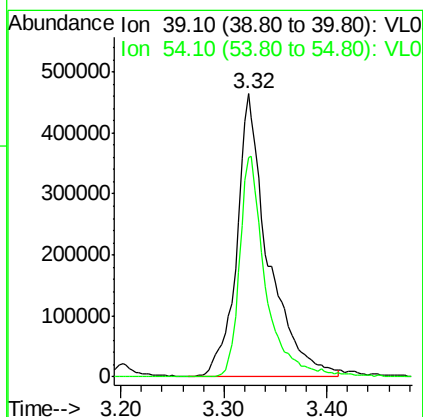
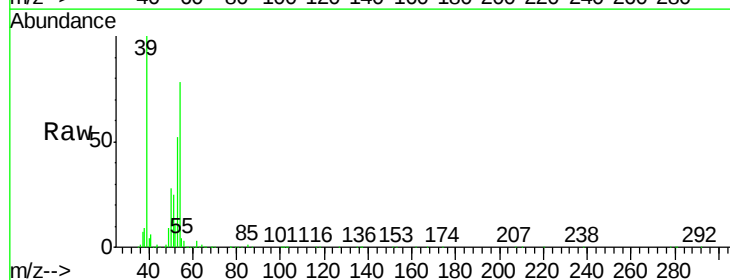
Acq: 6 Apr 2021 9:14

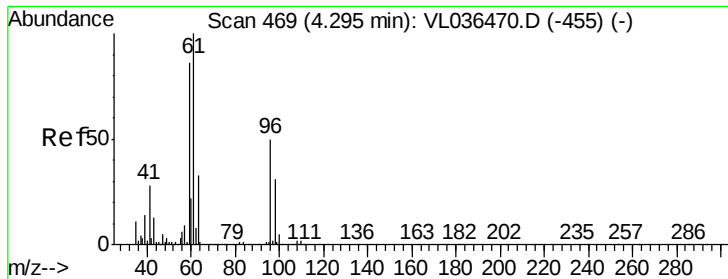
Tgt Ion: 39 Resp: 986224

Ion Ratio Lower Upper

39 100

54 65.3 58.8 88.2





#17

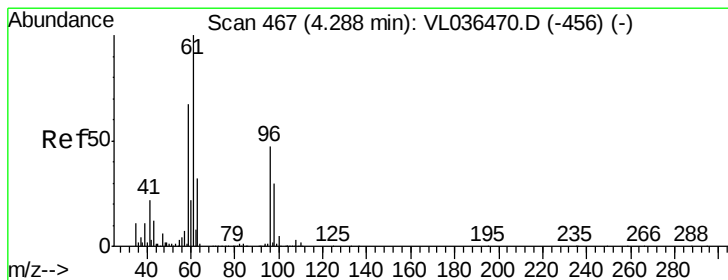
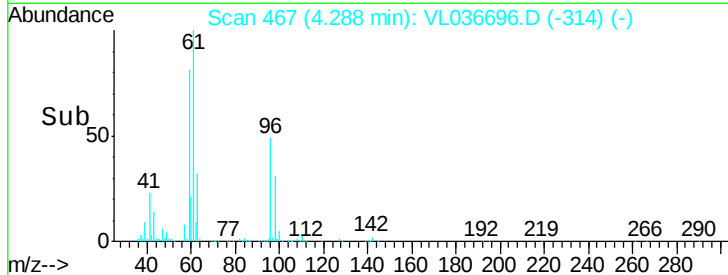
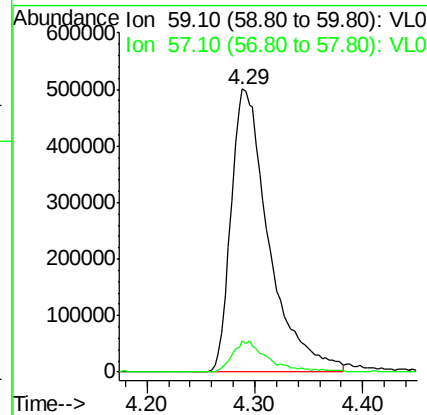
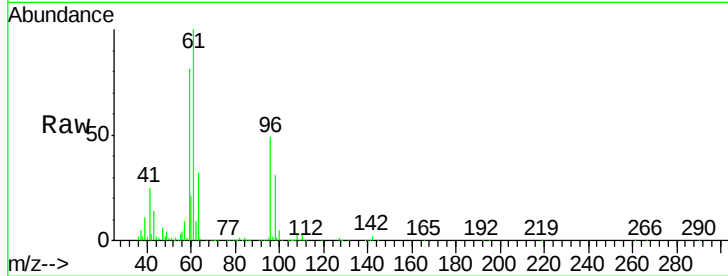
tert-Butyl alcohol
Concen: 11.049 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 59 Resp: 1225179
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

Manual Integrations
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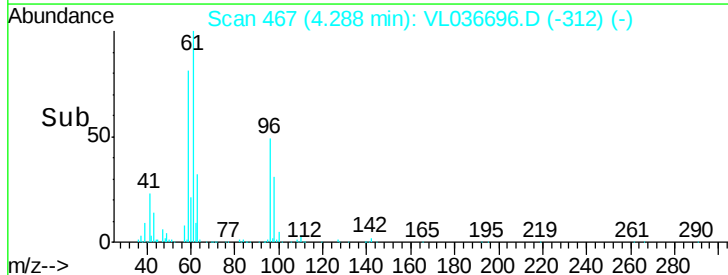
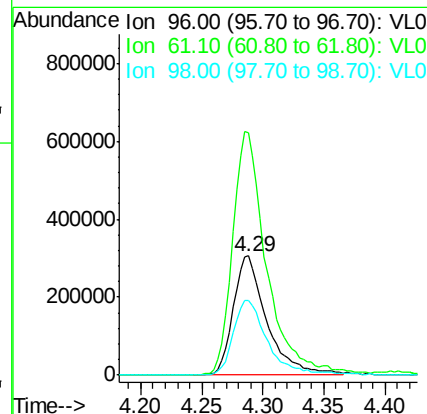
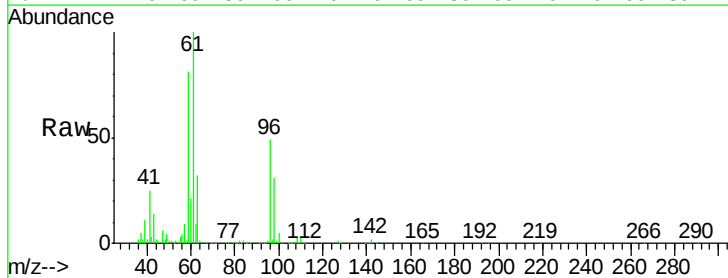
MMDadoda
4/6/2021 5:14:50 PM

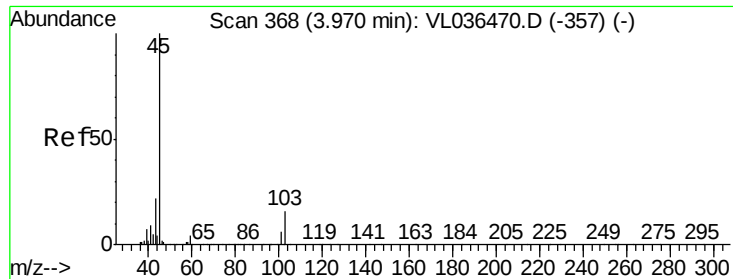


#18

1,1-Dichloroethene
Concen: 9.628 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 96 Resp: 589032
Ion Ratio Lower Upper
96 100
61 203.5 168.6 253.0
98 62.5 50.8 76.2





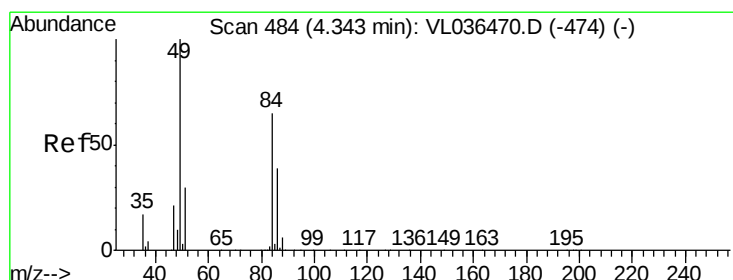
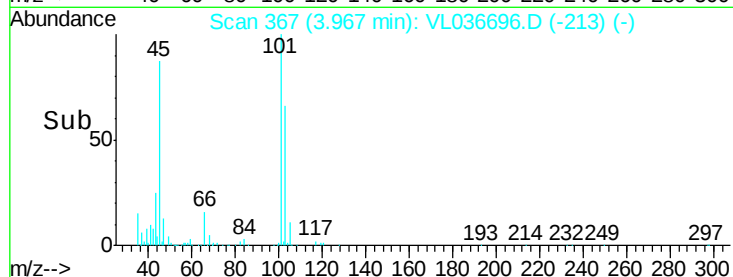
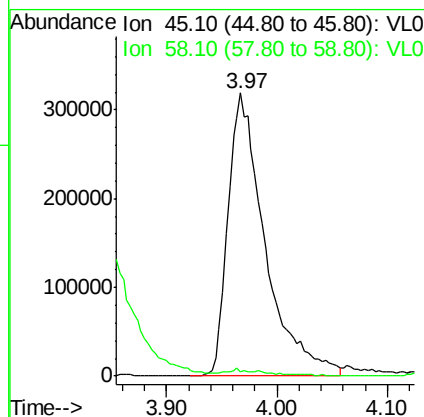
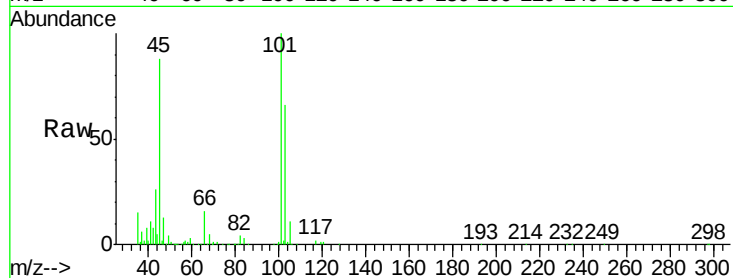
#19
Isopropyl Alcohol
Concen: 10.605 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.9	2.9	4.3

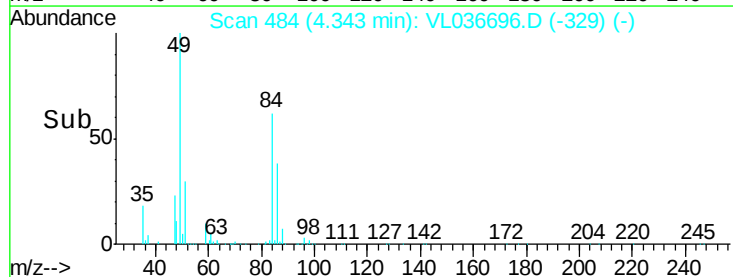
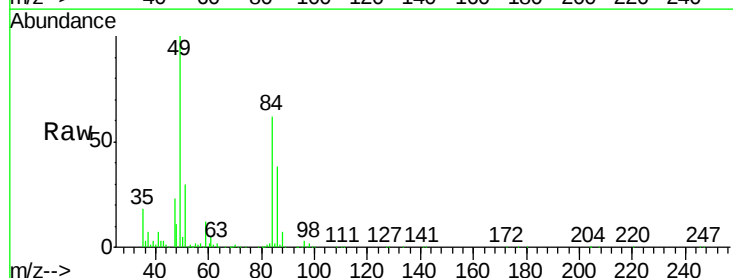
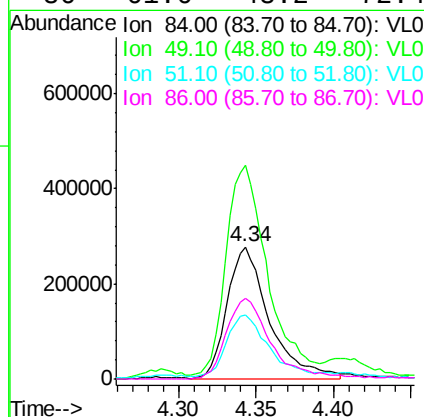
Manual Integrations
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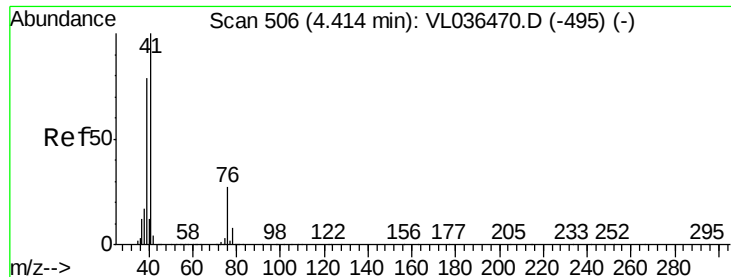
MMDadoda
4/6/2021 5:14:50 PM



#20
Methylene Chloride
Concen: 8.723 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.8	122.9	184.3
51	47.1	36.9	55.3
86	61.6	48.2	72.4





#21

Allvl Chloride

Concen: 10.047 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

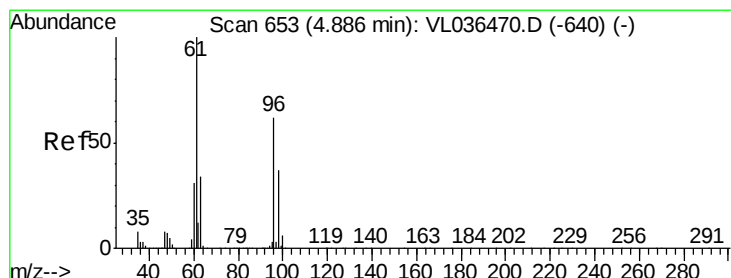
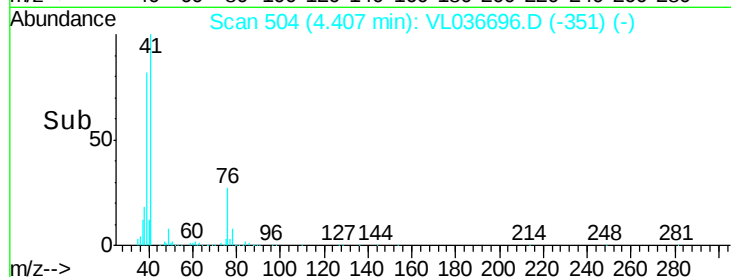
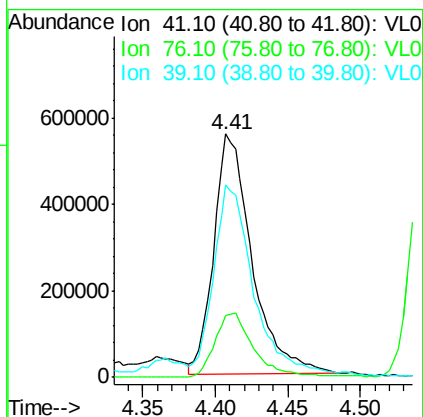
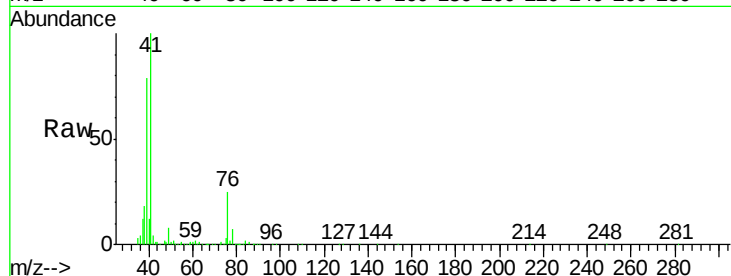
ClientSampleId :

VL0405ABS01

Tot Ion:	41	Resp:	1020117
Ion	Ratio	Lower	Upper
41	100		
76	27.6	22.9	34.3
39	90.7	67.3	100.9

Manual Integrations
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4/6/2021 5:14:50 PM



#22

trans-1,2-Dichloroethene

Concen: 10.487 ppbv

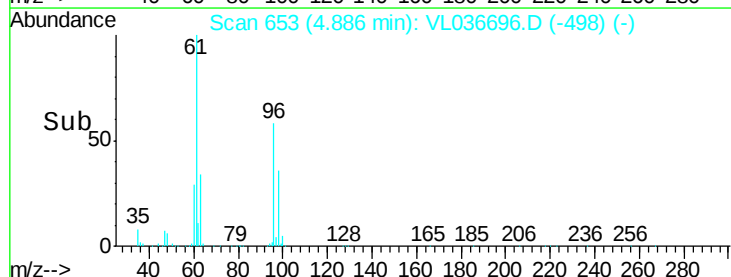
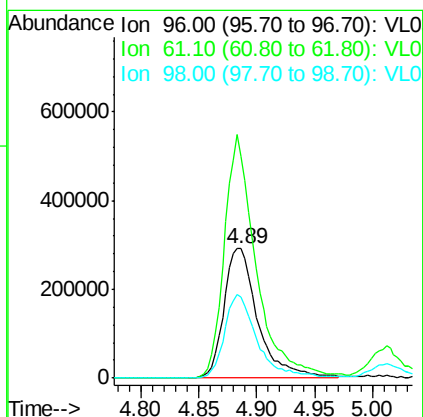
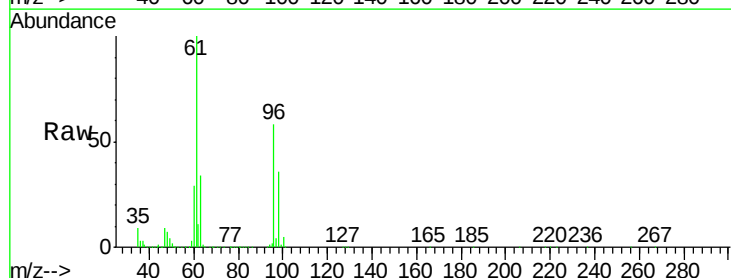
RT: 4.89 min Scan# 653

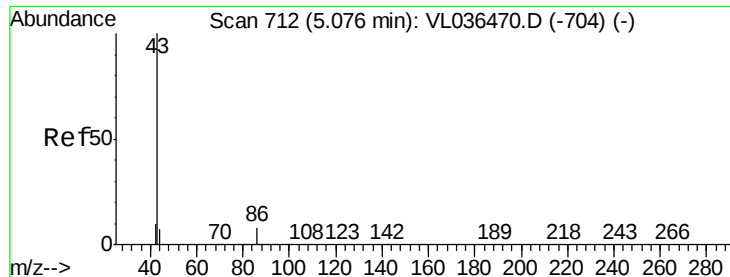
Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion:	96	Resp:	594791
Ion	Ratio	Lower	Upper
96	100		
61	171.4	129.4	194.0
98	62.1	48.2	72.4





#23

Vinyl Acetate

Concen: 10.665 ppbv m

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 43 Resp: 2323584

Ion Ratio Lower Upper

43 100

86 5.9 5.4 8.0

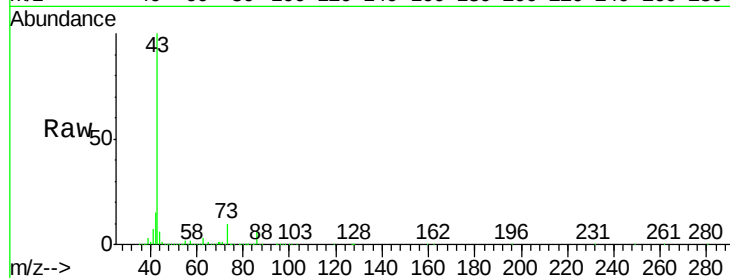
42 15.3 8.5 12.7#

44 5.7 4.6 7.0

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4/6/2021 5:14:50 PM

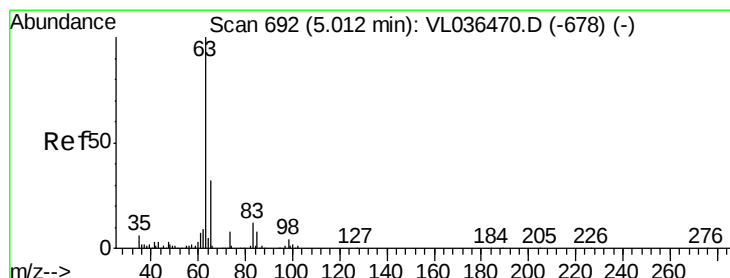
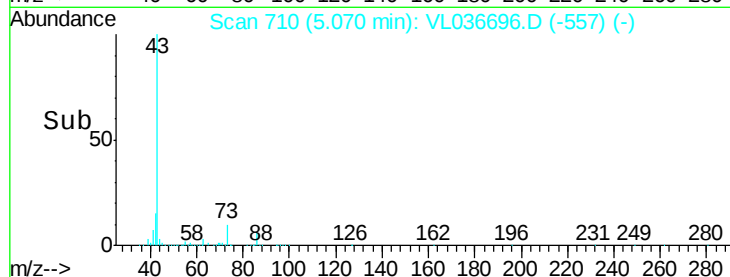
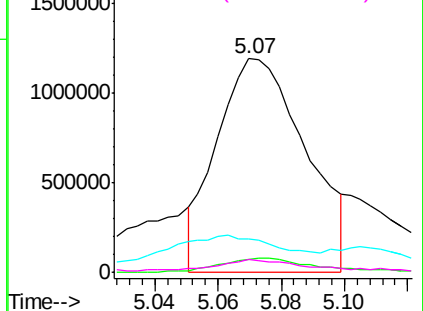


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.507 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

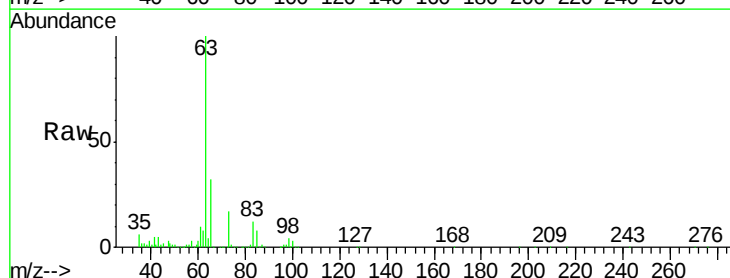
Tgt Ion: 63 Resp: 1509813

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.2

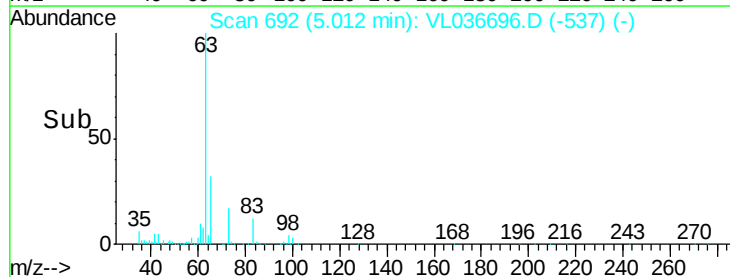
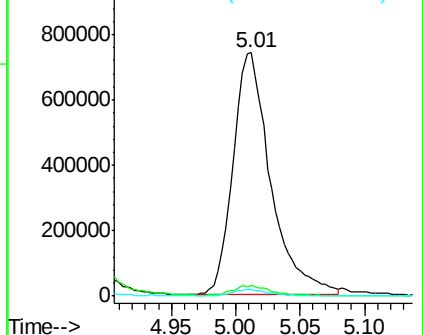
100 2.7 0.9 2.8

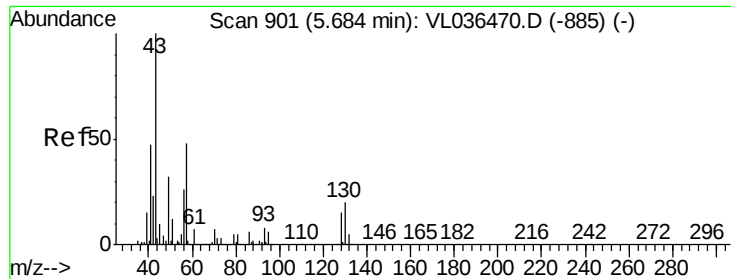


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





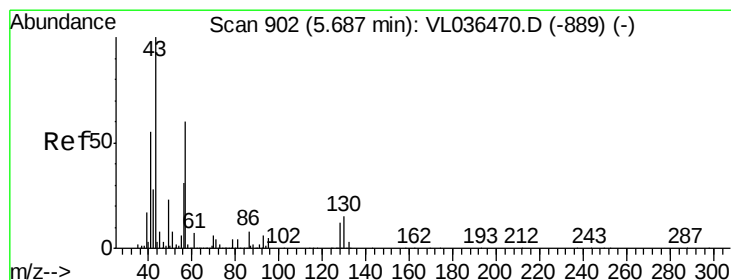
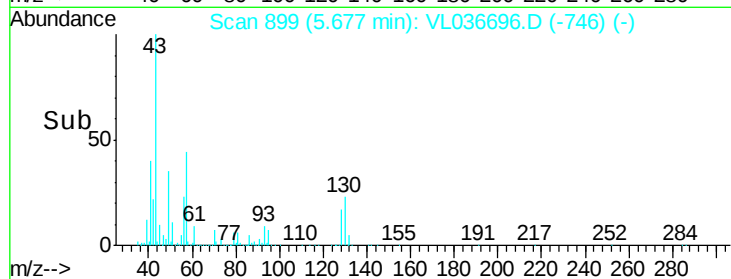
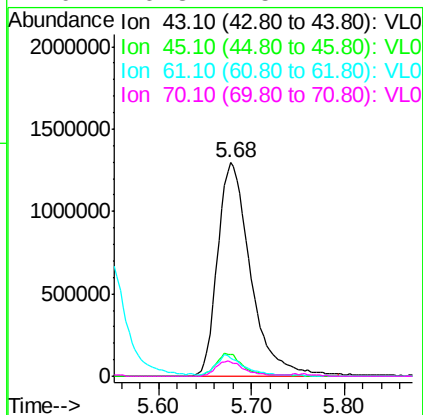
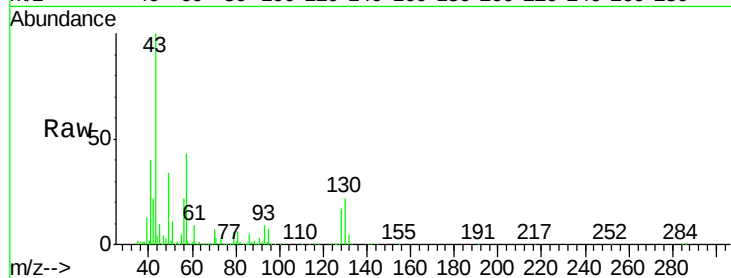
#25
Ethyl Acetate
Concen: 10.553 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.2	7.9	11.9
61	8.8	7.4	11.2
70	6.3	5.1	7.7

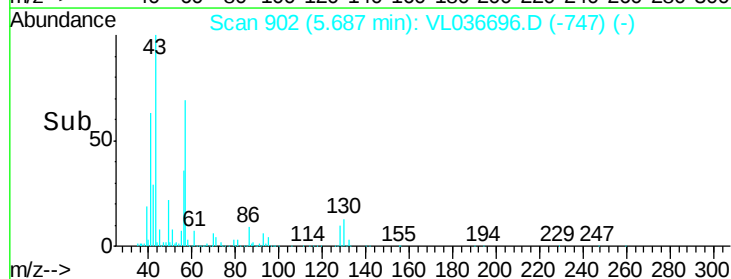
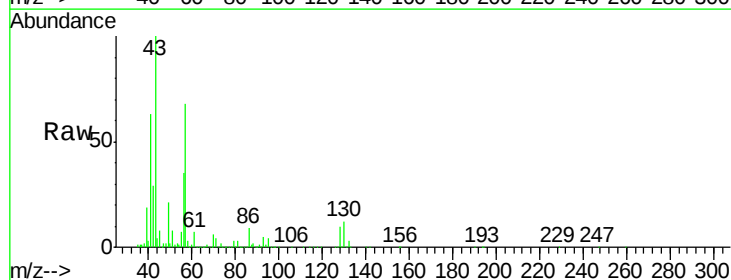
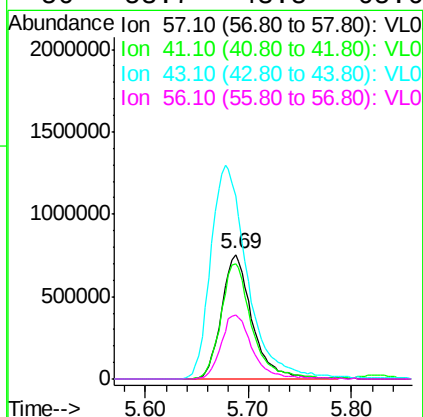
Manual Integrations
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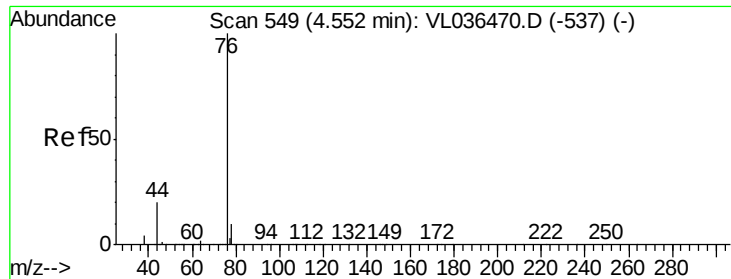
MMDadoda
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#26
Hexane
Concen: 11.126 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.8	77.2	115.8
43	205.8	173.8	260.6
56	53.7	43.8	65.6





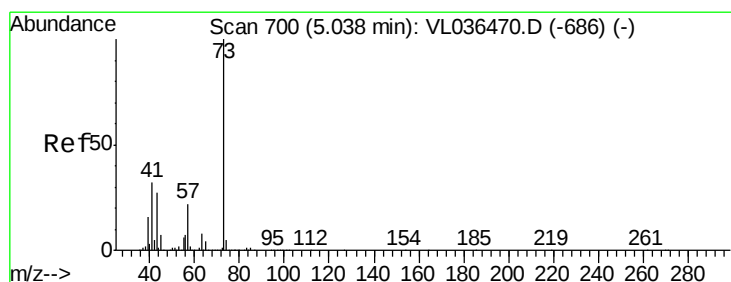
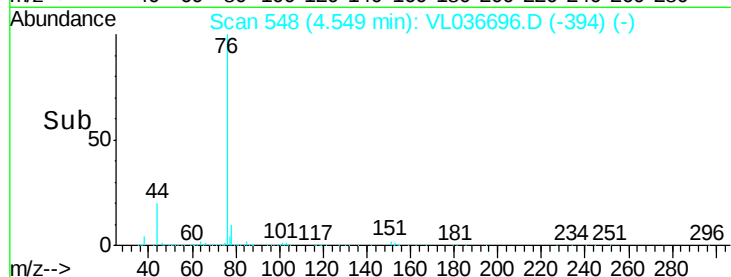
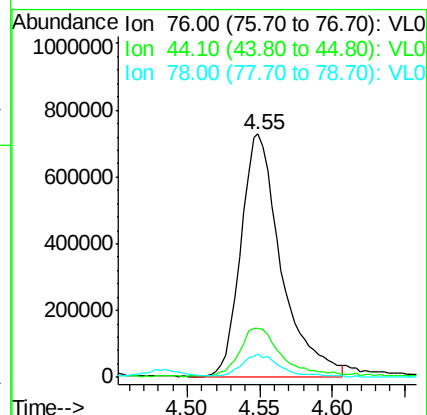
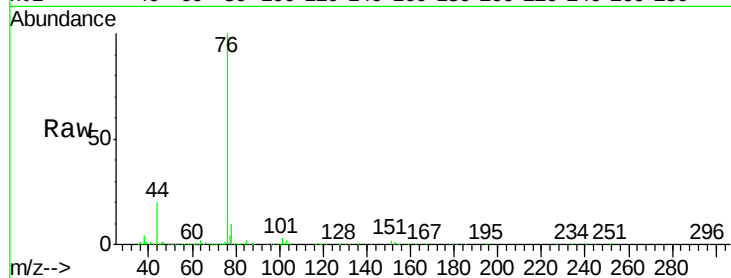
#27
Carbon Disulfide
Concen: 10.117 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.5	17.5	26.3
78	9.9	8.6	13.0

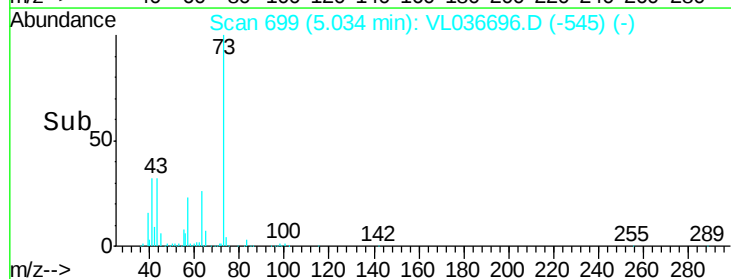
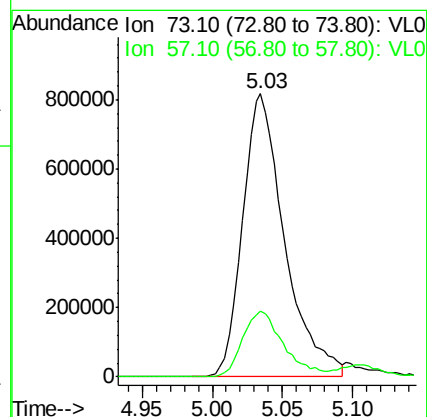
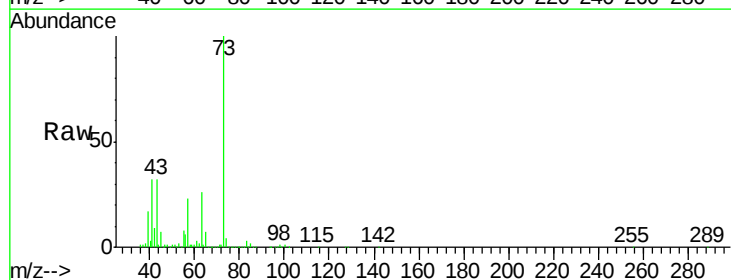
Manual Integrations
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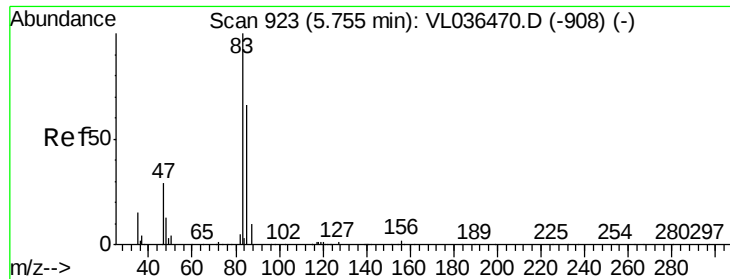
MMDadoda
4/6/2021 5:14:50 PM



#28
Methyl tert-Butyl Ether
Concen: 10.256 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.5	27.7





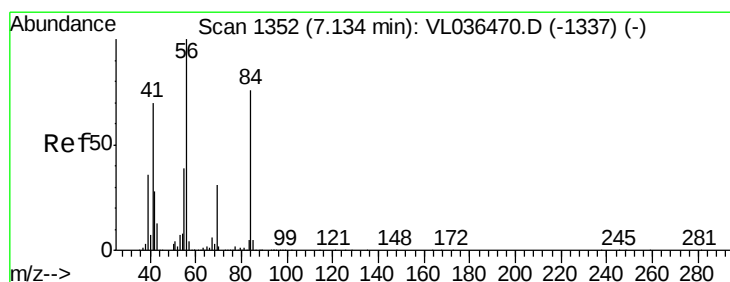
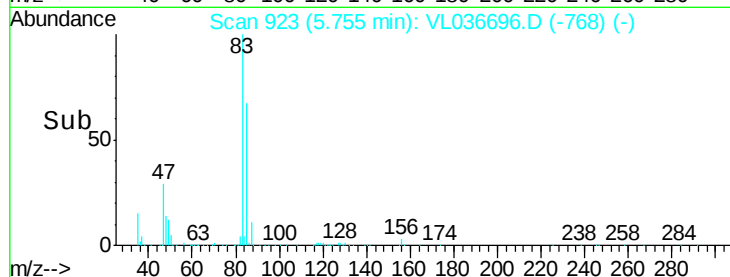
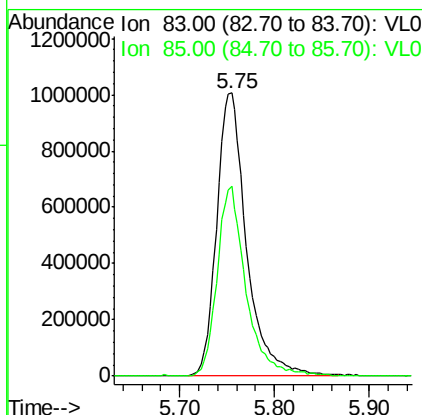
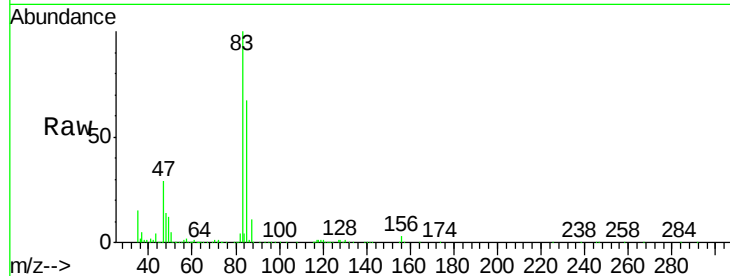
#29
Chloroform
Concen: 9.792 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 83 Resp: 2200761
Ion Ratio Lower Upper
83 100
85 67.0 52.6 78.8

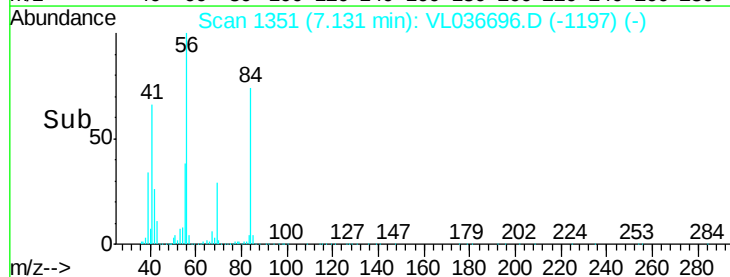
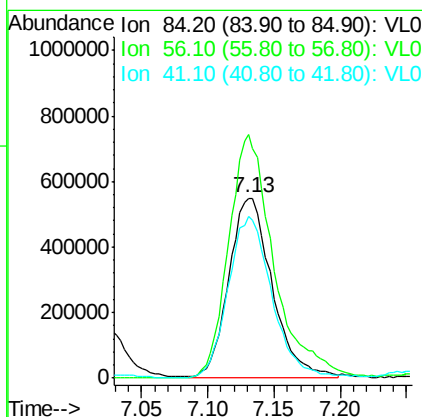
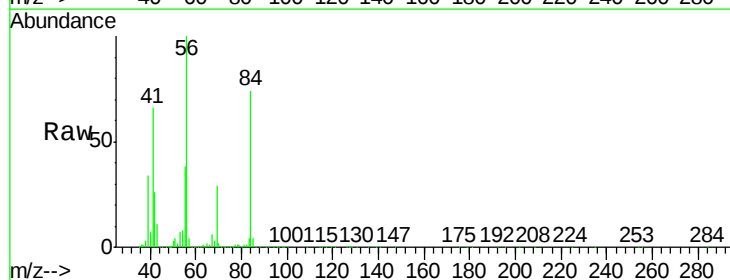
Manual Integrations
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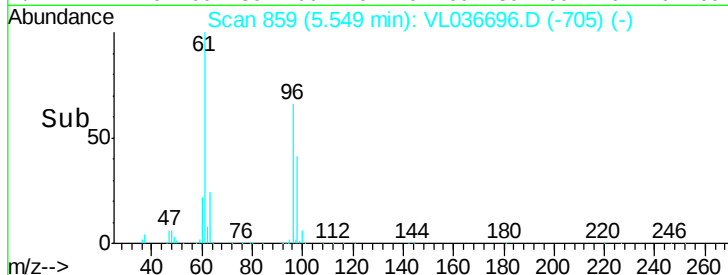
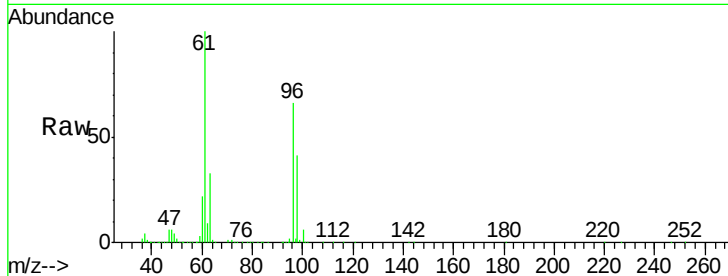
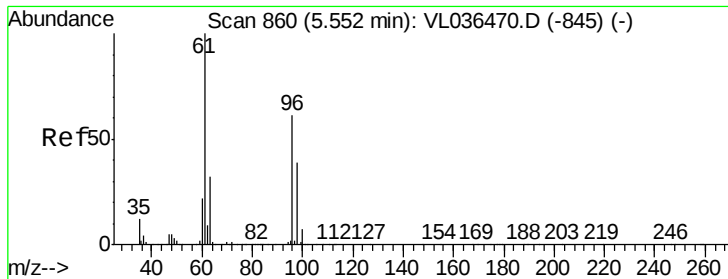
MMDadoda
4/6/2021 5:14:50 PM



#30
Cyclohexane
Concen: 10.900 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 84 Resp: 1242297
Ion Ratio Lower Upper
84 100
56 142.4 114.6 171.8
41 91.3 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 10.499 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tot Ion: 61 Resp: 1427045

Ion Ratio Lower Upper

61 100

96 65.6 48.7 73.1

98 40.9 31.4 47.0

Instrument :

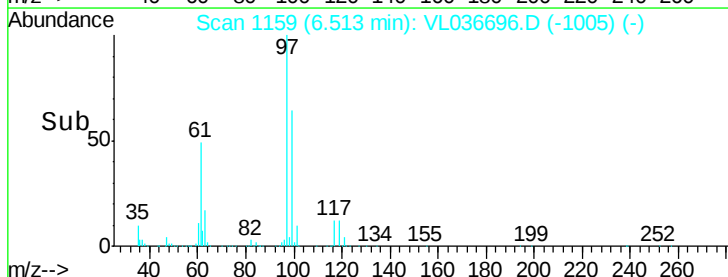
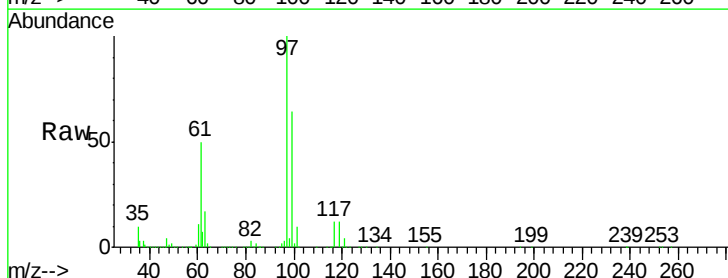
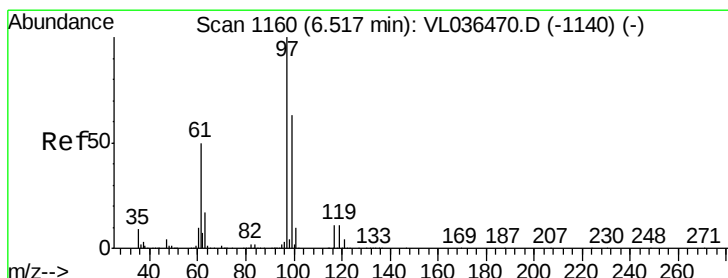
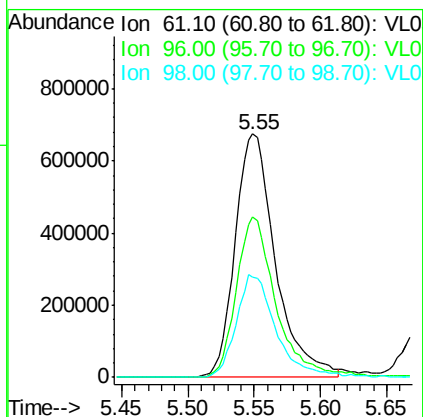
MSVOA_L

ClientSampleId :

VL0405ABS01

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.905 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

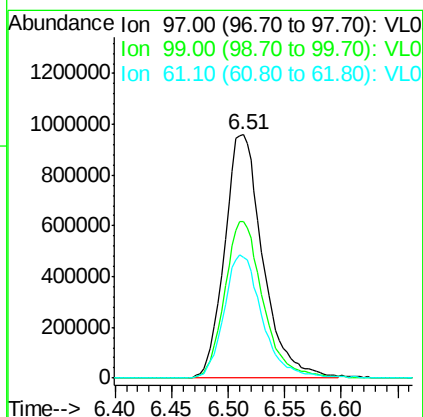
Tgt Ion: 97 Resp: 2243374

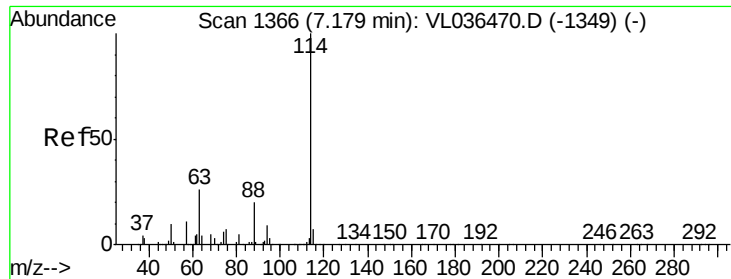
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

61 50.8 40.6 60.8





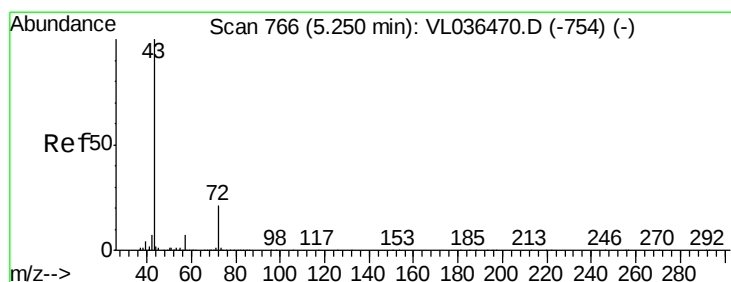
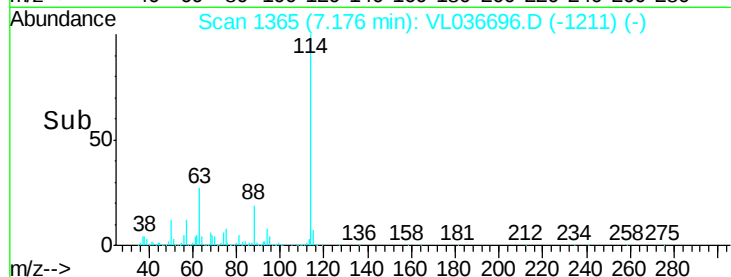
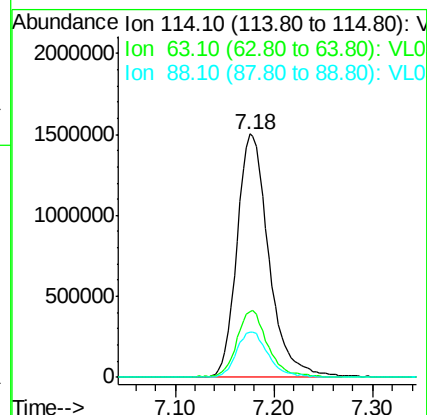
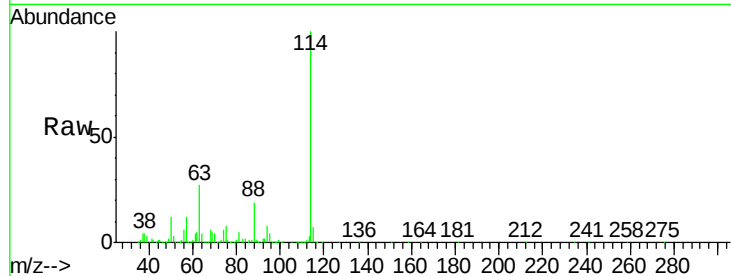
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.8	15.4	23.0

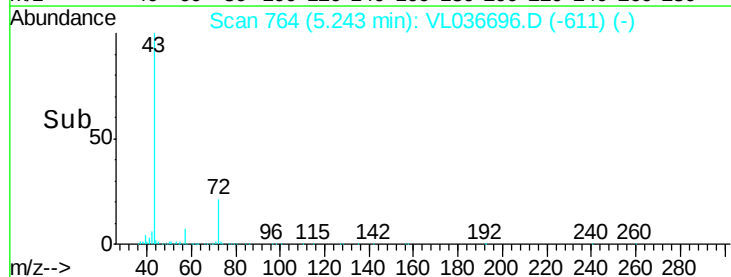
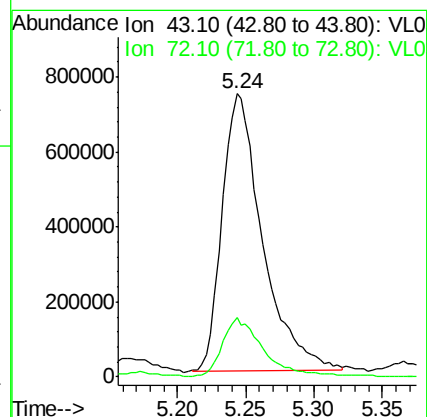
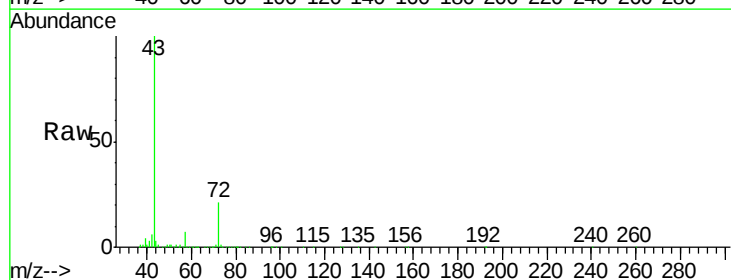
Manual Integrations
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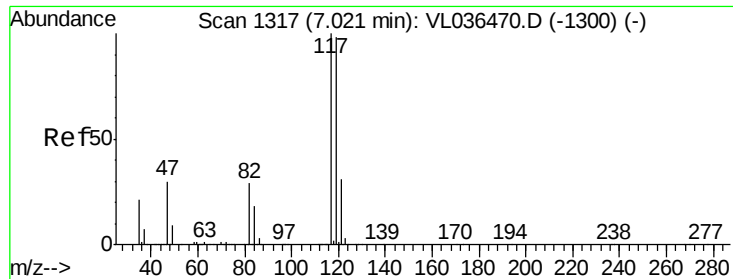
MMDadoda
 4/6/2021 5:14:50 PM



#34
 2-Butanone
 Concen: 9.210 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.0	25.6





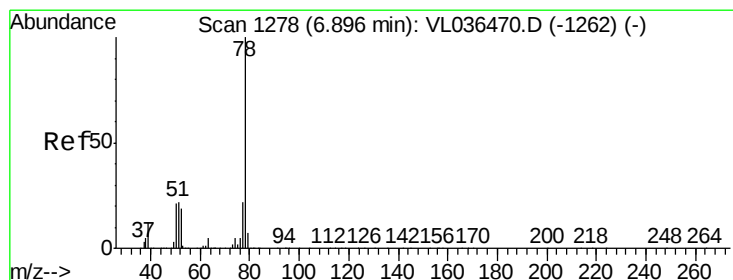
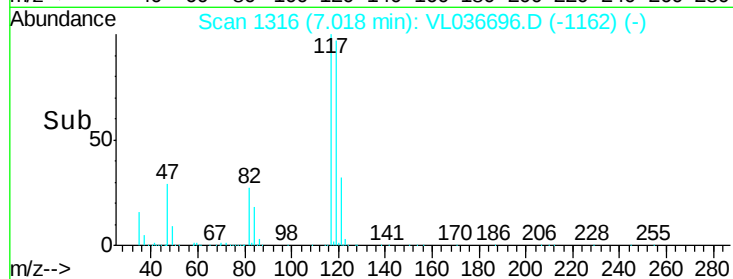
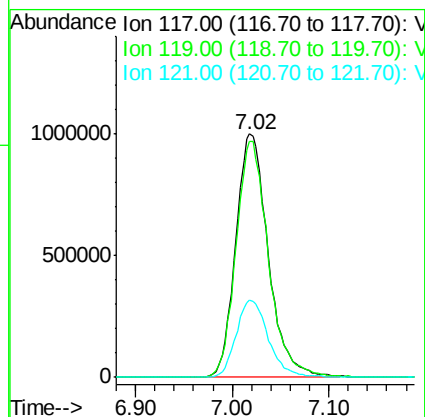
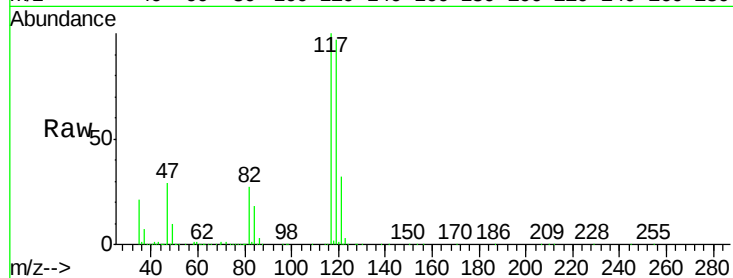
#35
Carbon Tetrachloride
Concen: 9.019 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.2	117.2
121	31.8	24.5	36.7

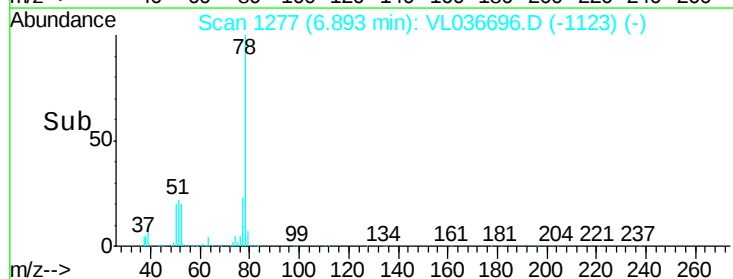
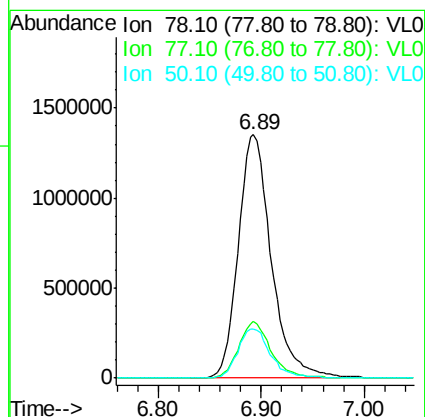
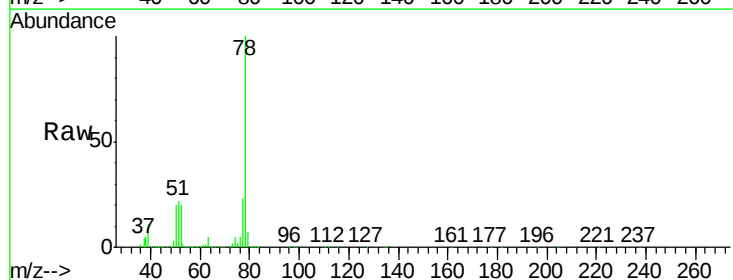
Manual Integrations
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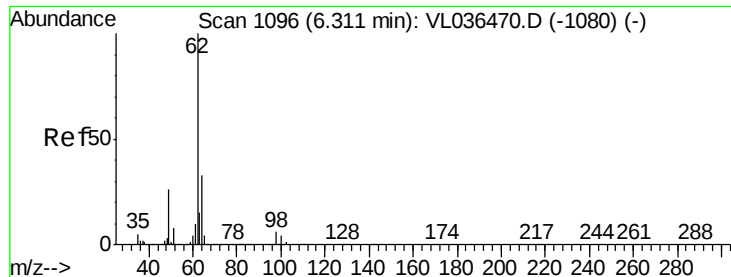
MMDadoda
4/6/2021 5:14:50 PM



#36
Benzene
Concen: 9.681 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.0	27.0
50	19.9	16.5	24.7





#37

1,2-Dichloroethane

Concen: 9.244 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tot Ion: 62 Resp: 1692065

Ion Ratio Lower Upper

62 100

98 6.2 4.9 7.3

Instrument :

MSVOA_L

ClientSampleId :

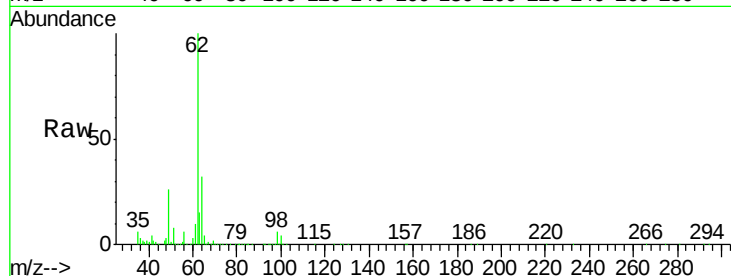
VL0405ABS01

Manual Integrations

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4/6/2021 5:14:50 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

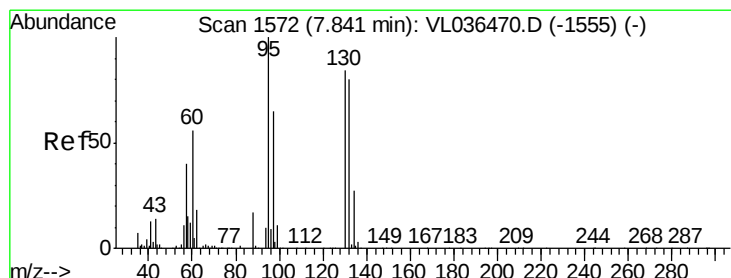
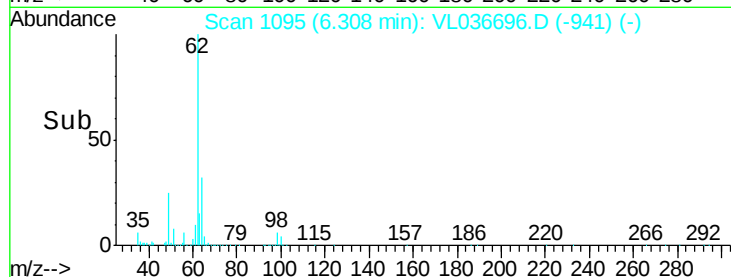
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.062 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion:130 Resp: 1096813

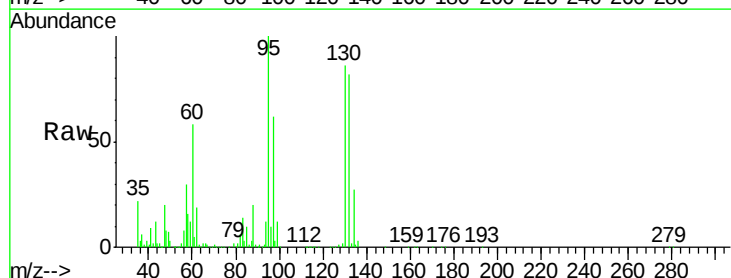
Ion Ratio Lower Upper

130 100

95 116.8 95.7 143.5

132 96.1 76.2 114.4

97 73.0 61.8 92.6



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

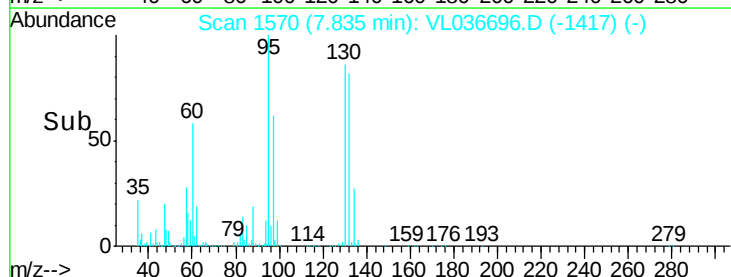
600000

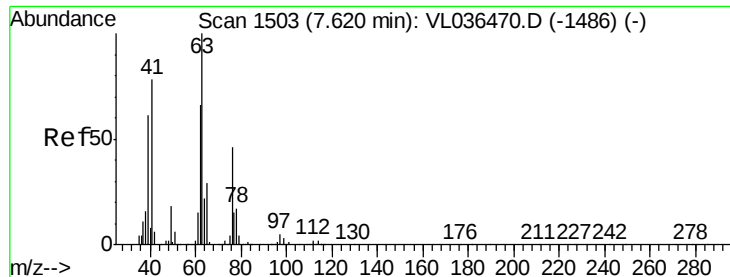
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.149 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 63 Resp: 1154256

Ion Ratio Lower Upper

63 100

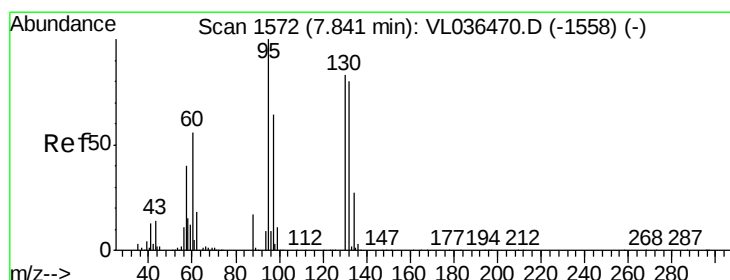
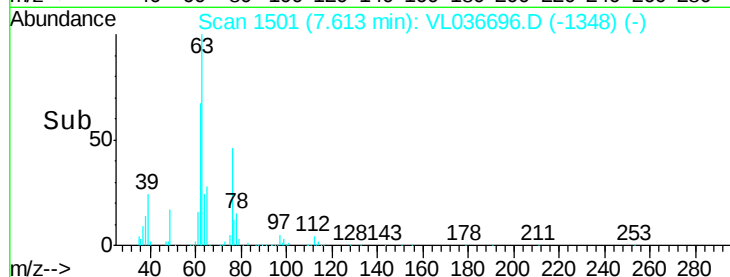
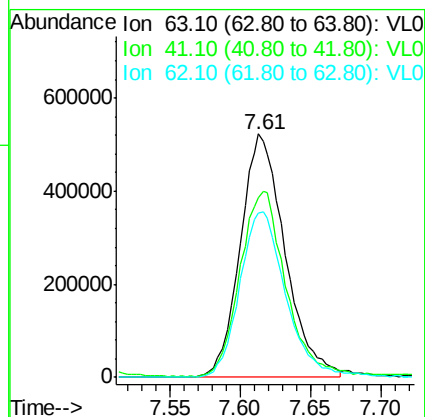
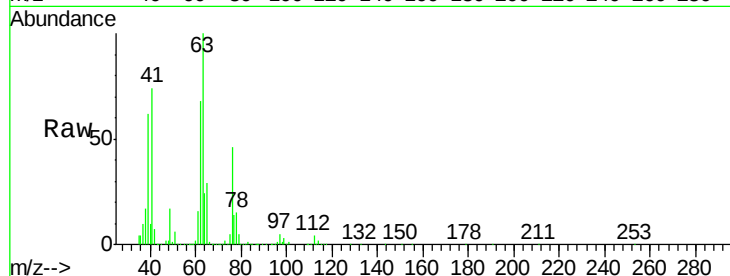
41 73.4 62.4 93.6

62 67.4 52.8 79.2

Manual Integrations
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4/6/2021 5:14:50 PM



#40

1,4-Dioxane

Concen: 9.614 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion: 88 Resp: 282288

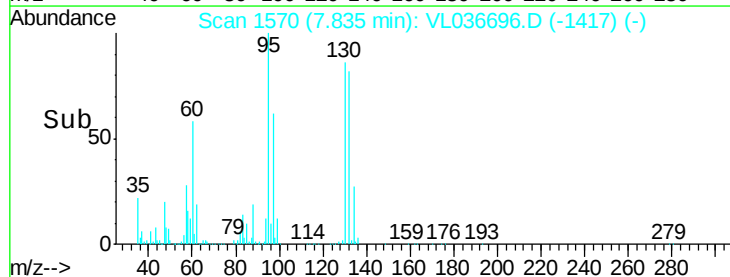
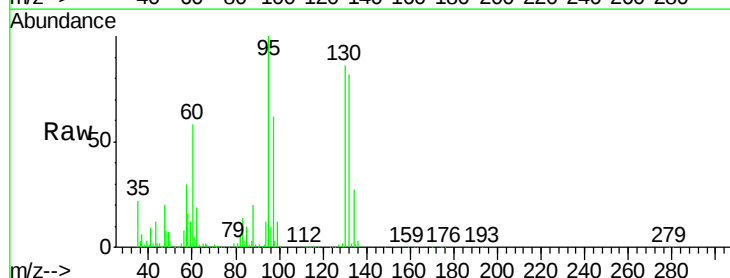
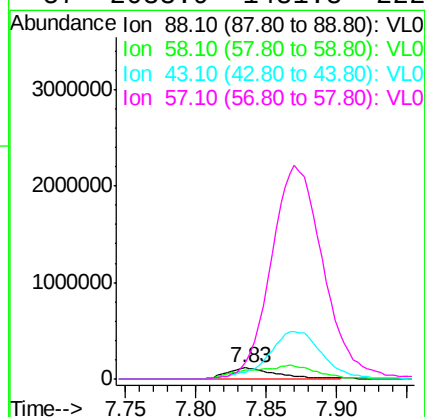
Ion Ratio Lower Upper

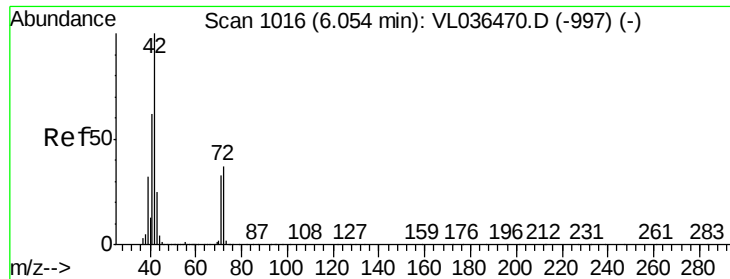
88 100

58 176.3 134.1 201.1

43 464.0 346.6 520.0

57 2033.9 1481.8 2222.8





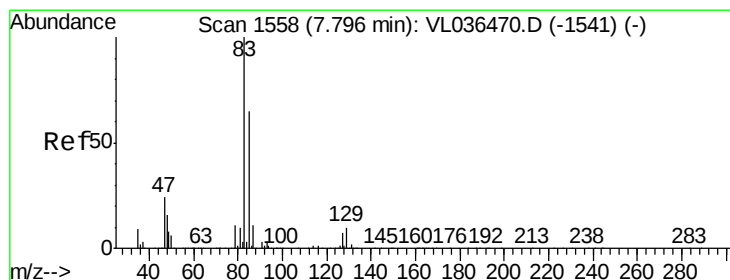
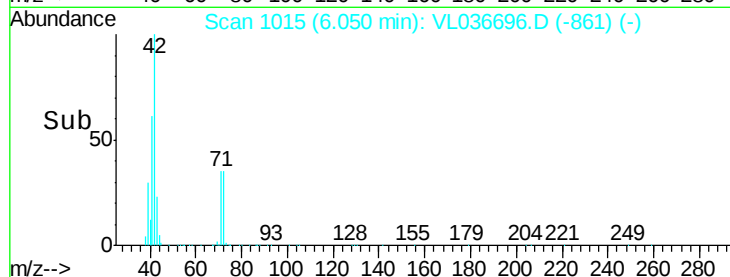
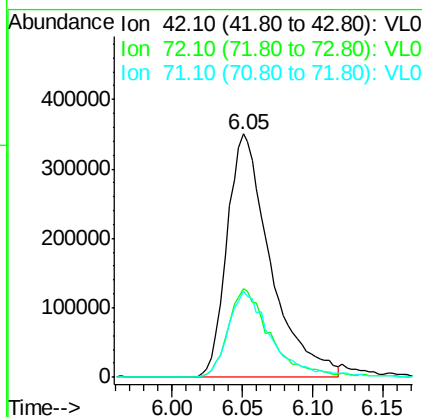
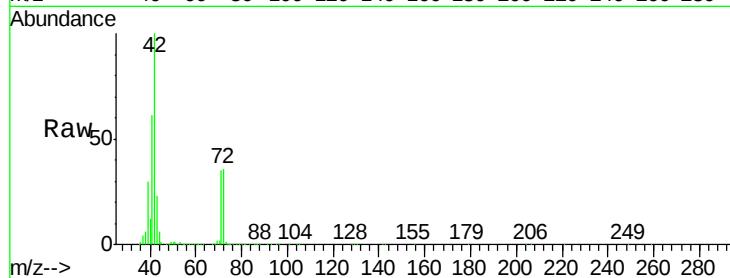
#41
Tetrahydrofuran
Concen: 9.944 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	27.6	41.4
71	35.9	27.0	40.4

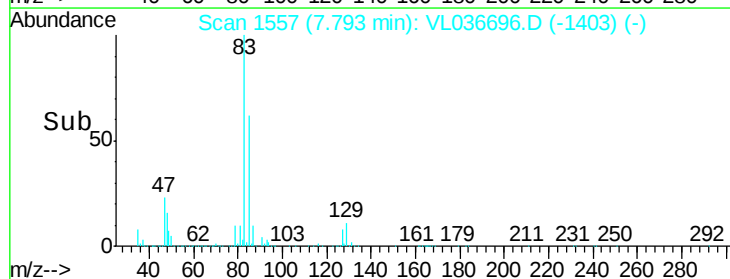
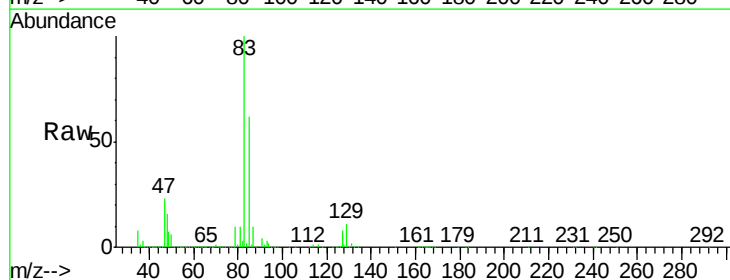
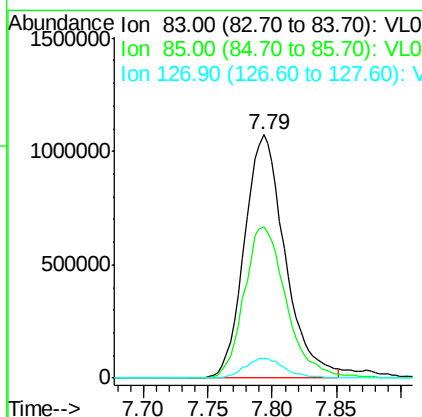
Manual Integrations
APPROVED

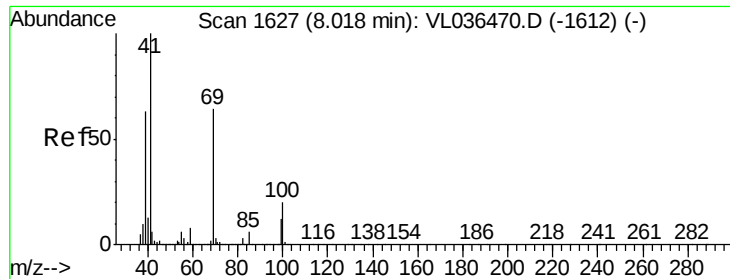
MMDadoda
4/6/2021 5:14:50 PM



#42
Bromodichloromethane
Concen: 9.440 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.6
127	8.2	5.8	8.8





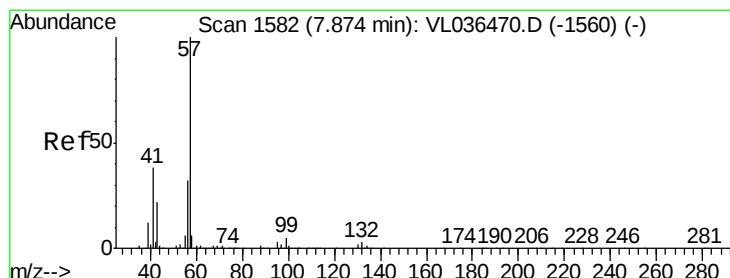
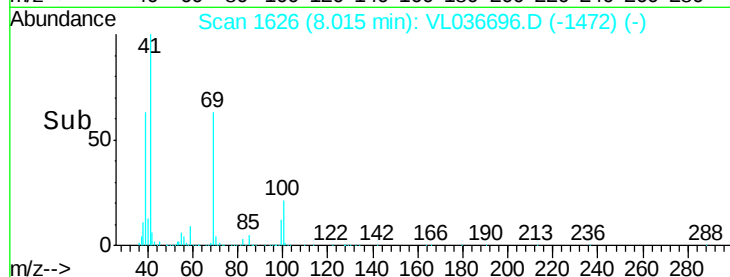
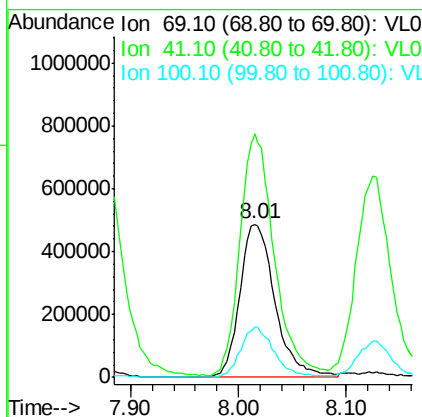
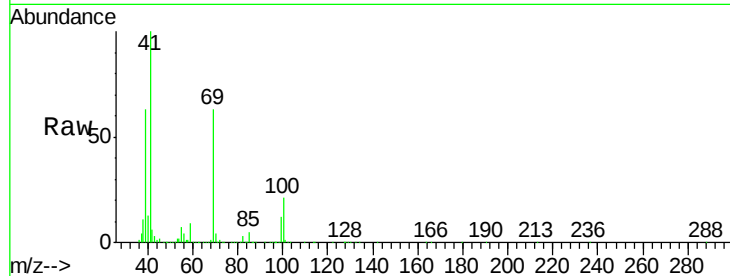
#43
Methvl Methacrylate
Concen: 10.578 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 69 Resp: 1104679
Ion Ratio Lower Upper
69 100
41 155.0 126.8 190.2
100 31.5 24.9 37.3

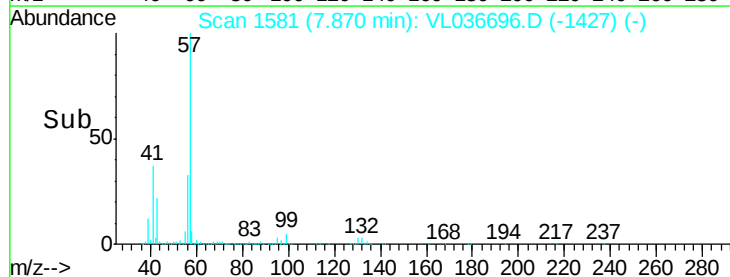
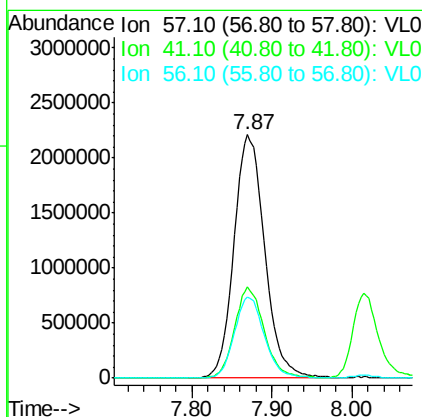
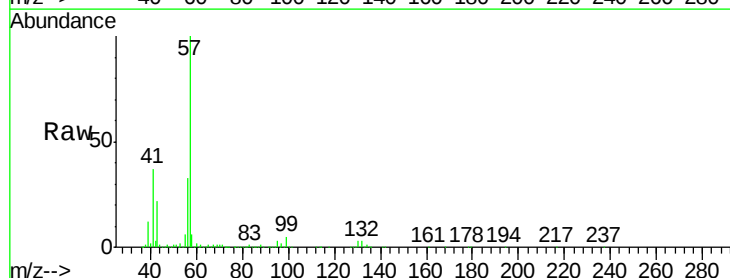
Manual Integrations
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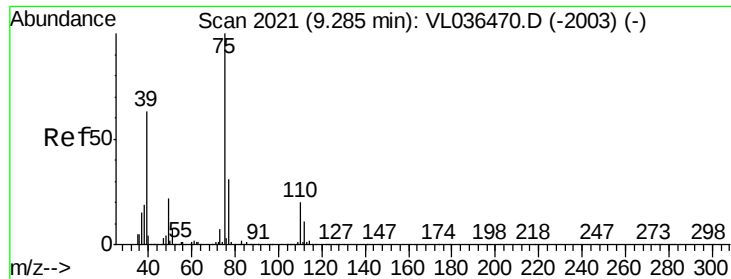
MMDadoda
4/6/2021 5:14:50 PM



#44
2,2,4-Trimethylpentane
Concen: 10.473 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 57 Resp: 5732510
Ion Ratio Lower Upper
57 100
41 35.6 28.8 43.2
56 32.5 26.1 39.1





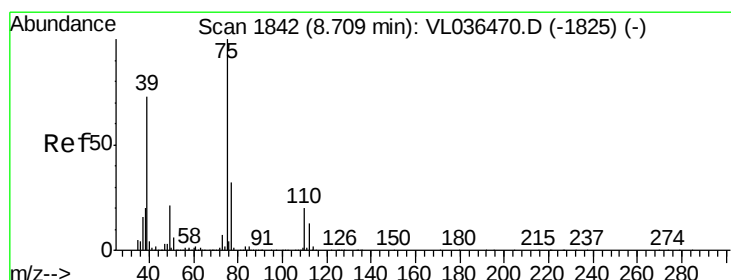
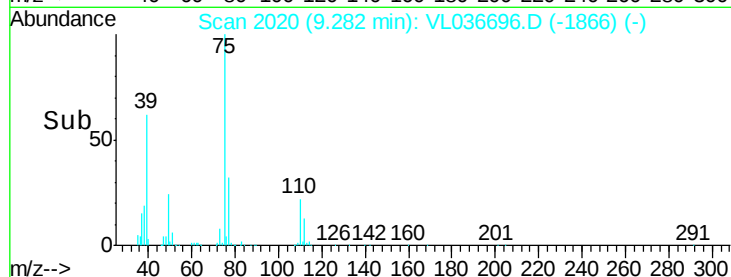
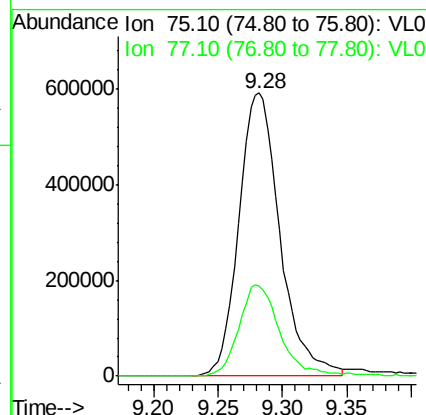
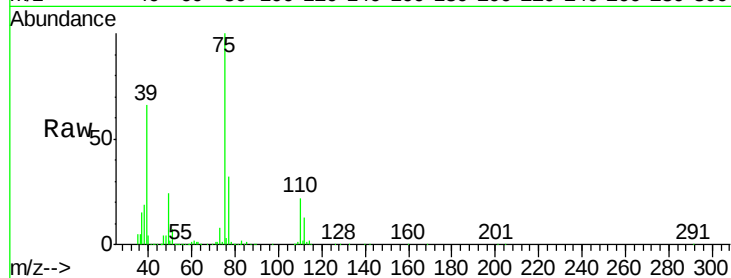
#45
t-1,3-Dichloropropene
Concen: 10.965 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 75 Resp: 1307543
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

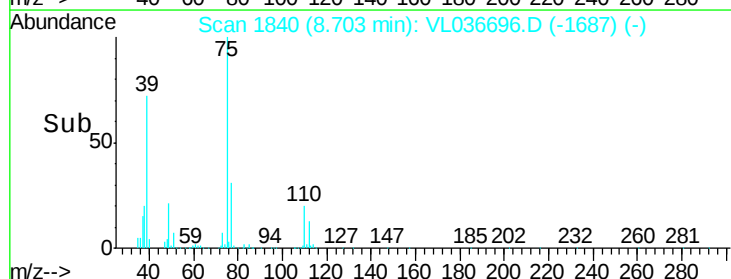
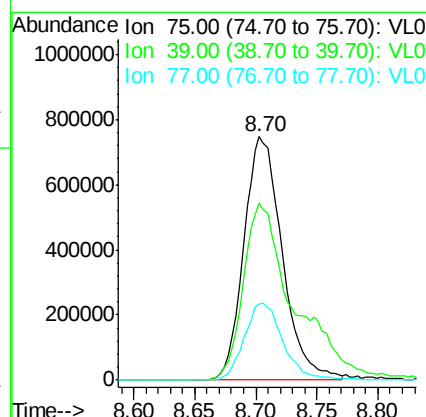
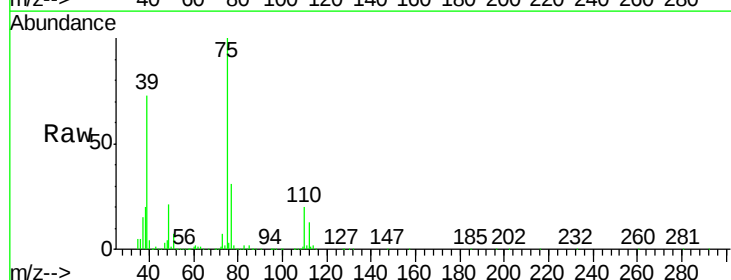
Manual Integrations
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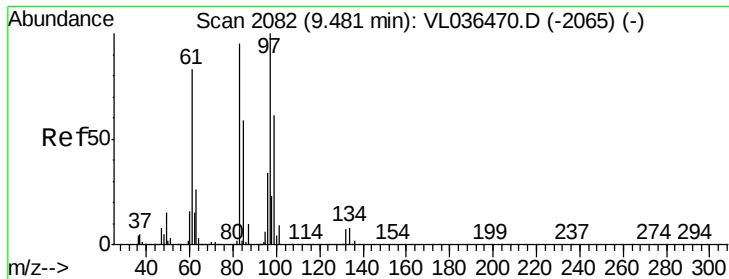
MMDadoda
4/6/2021 5:14:50 PM



#46
cis-1,3-Dichloropropene
Concen: 10.661 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 75 Resp: 1625071
Ion Ratio Lower Upper
75 100
39 72.7 58.2 87.2
77 31.0 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.292 ppbv

RT: 9.48 min Scan# 2081

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 97 Resp: 1187353

Ion Ratio Lower Upper

97 100

83 92.1 75.8 113.8

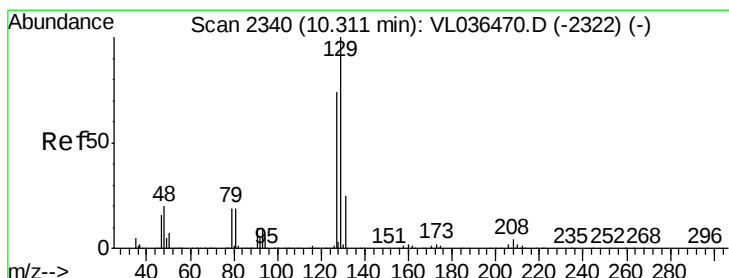
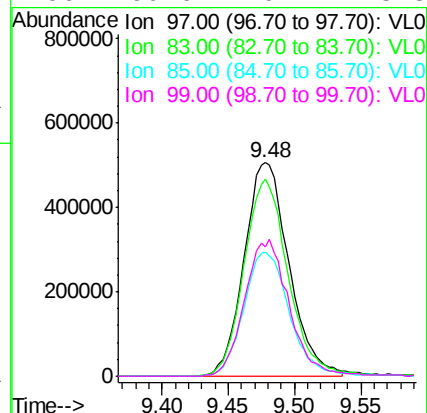
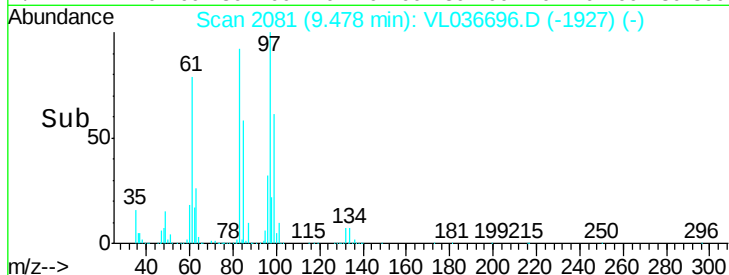
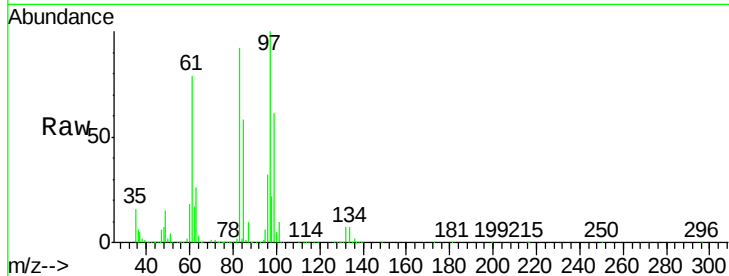
85 58.3 47.1 70.7

99 60.6 49.2 73.8

Manual Integrations
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4/6/2021 5:14:50 PM



#48

Dibromochloromethane

Concen: 10.208 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. -0.00 min

Lab File: VL036696.D

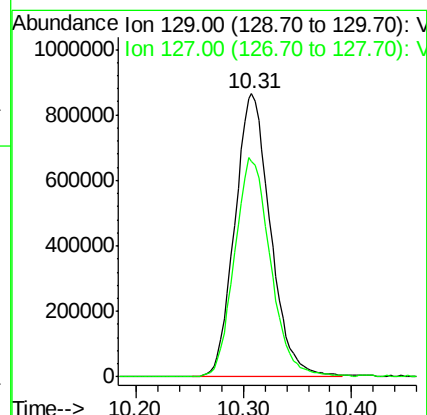
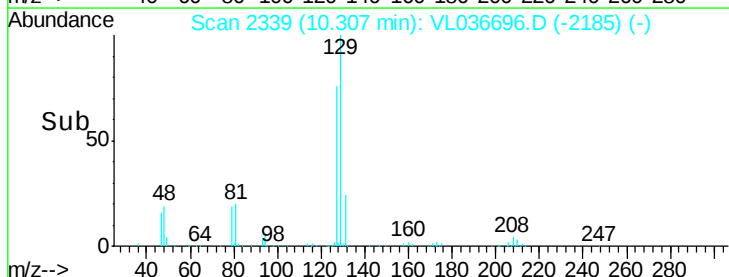
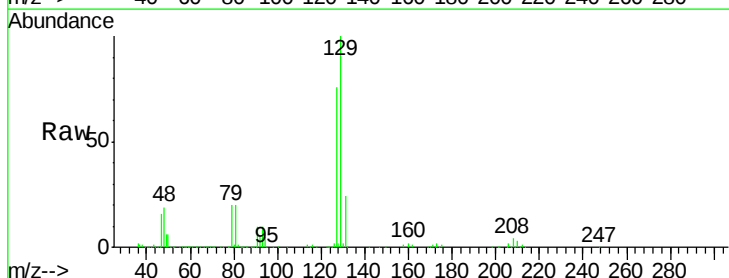
Acq: 6 Apr 2021 9:14

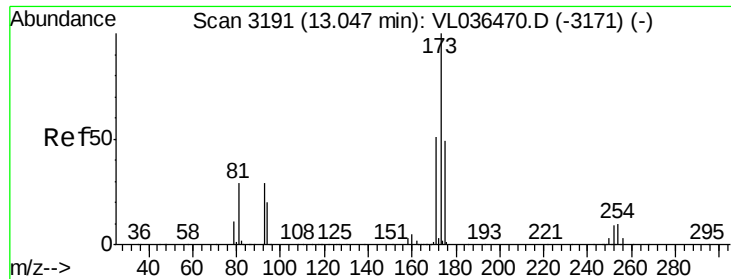
Tgt Ion: 129 Resp: 1988495

Ion Ratio Lower Upper

129 100

127 79.0 39.6 118.8





#49

Bromoform

Concen: 10.183 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:173 Resp: 1598314

Ion Ratio Lower Upper

173 100

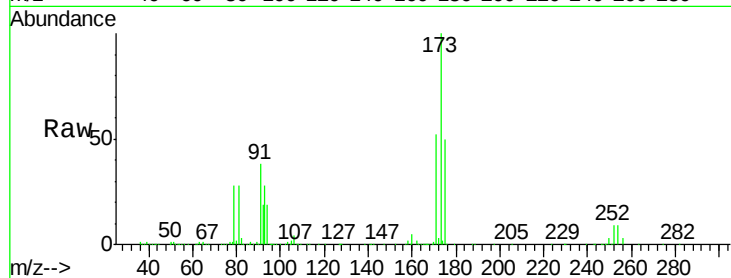
175 49.8 39.6 59.4

171 52.8 41.4 62.0

Manual Integrations
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MMDadoda

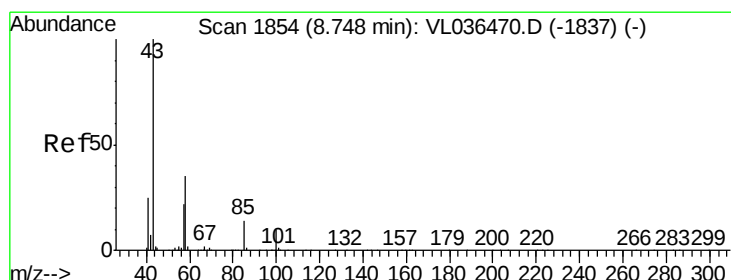
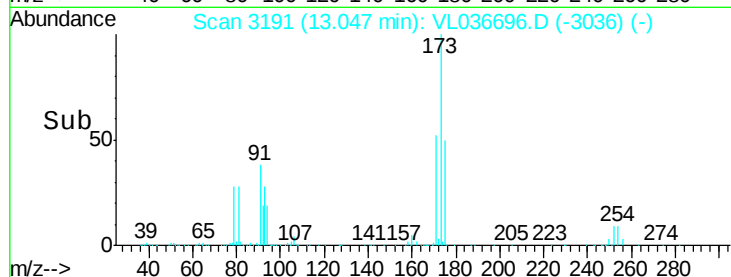
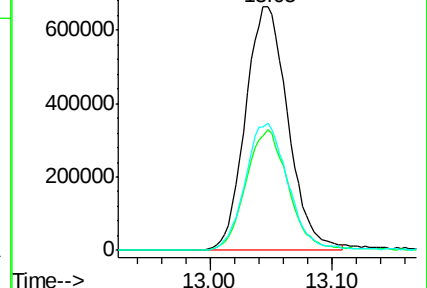
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.901 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL036696.D

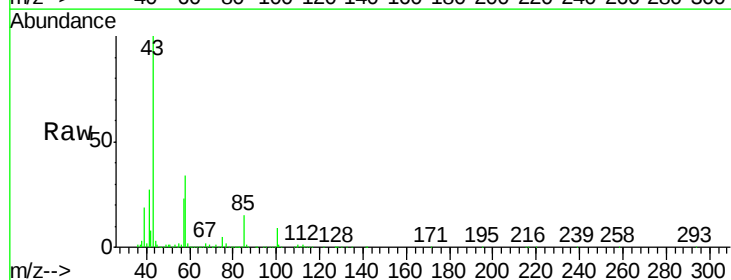
Acq: 6 Apr 2021 9:14

Tgt Ion: 43 Resp: 2358254

Ion Ratio Lower Upper

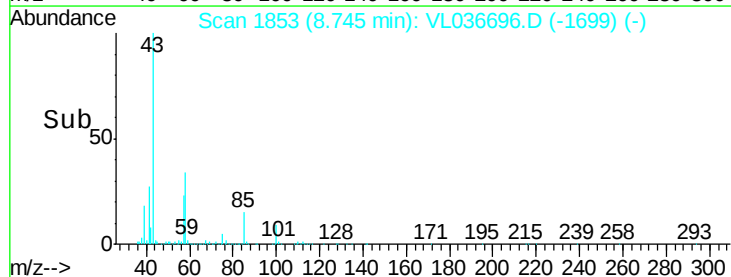
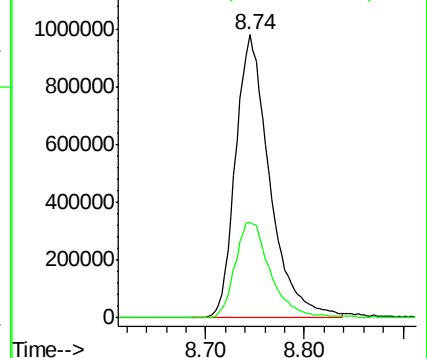
43 100

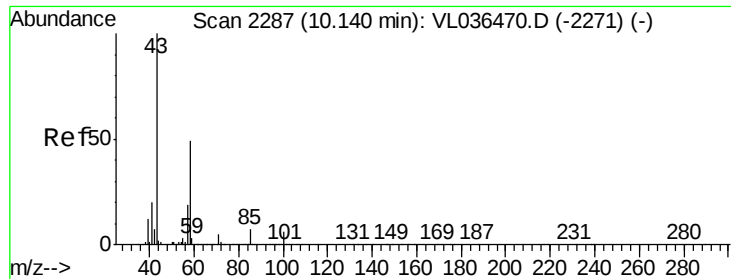
58 35.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.806 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 43 Resp: 1298783

Ion Ratio Lower Upper

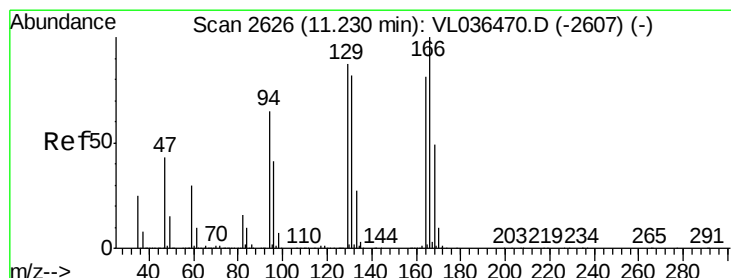
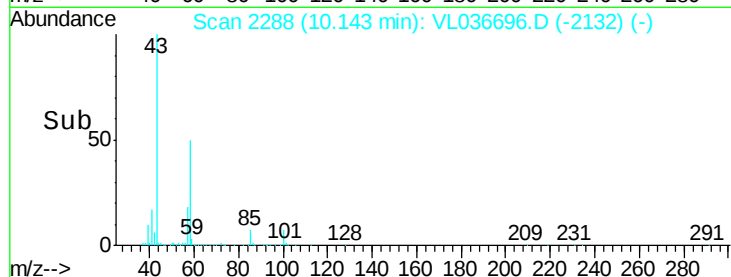
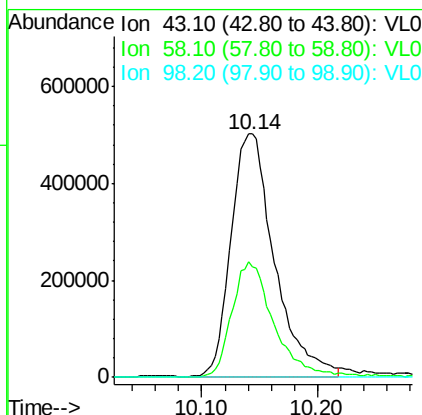
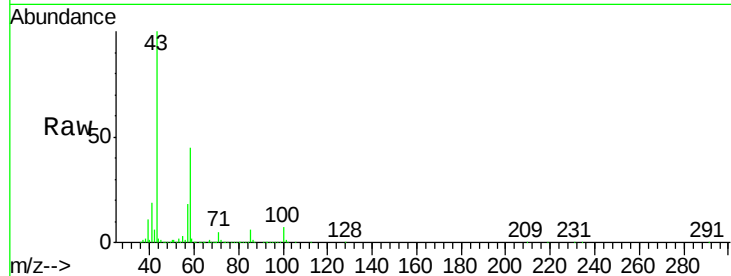
43 100

58 46.8 37.7 56.5

98 0.4 0.2 0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.961 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion: 164 Resp: 1026232

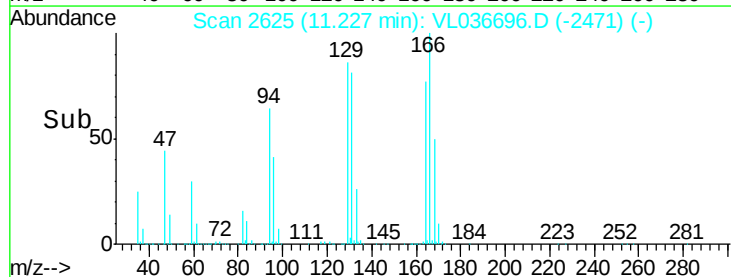
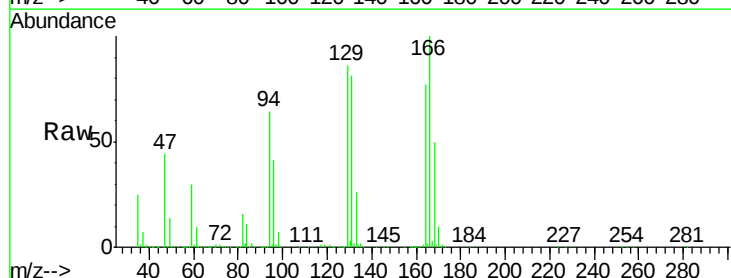
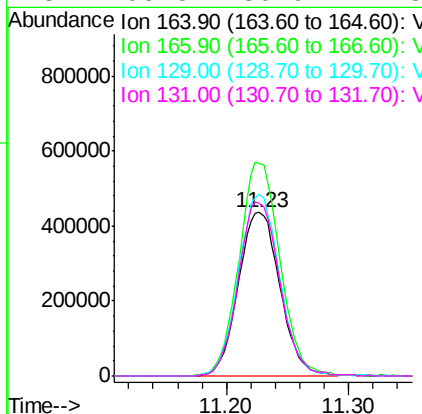
Ion Ratio Lower Upper

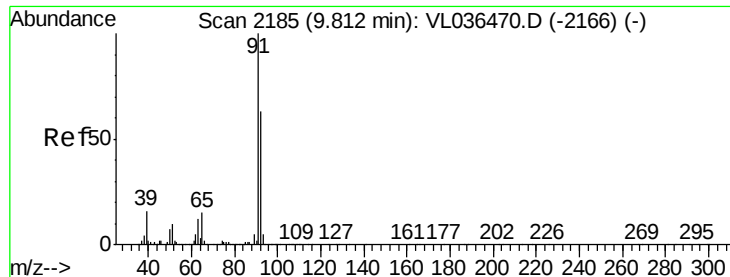
164 100

166 130.1 98.3 147.5

129 111.2 85.8 128.8

131 105.8 80.9 121.3





#53

Toluene

Concen: 10.144 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 91 Resp: 3359667

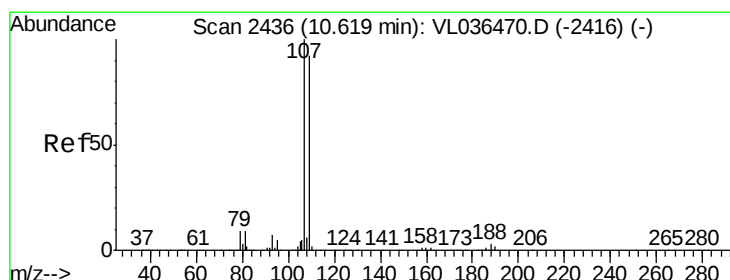
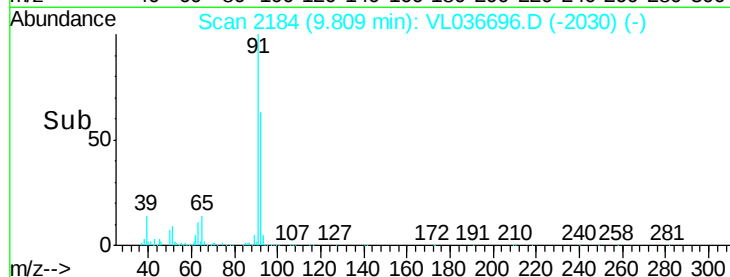
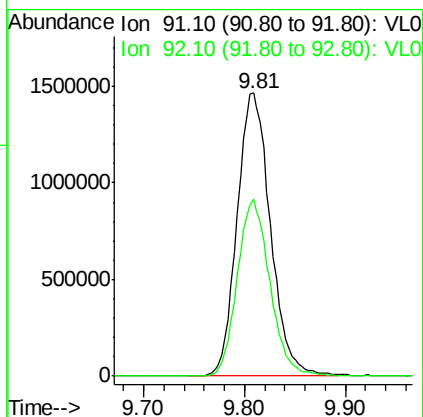
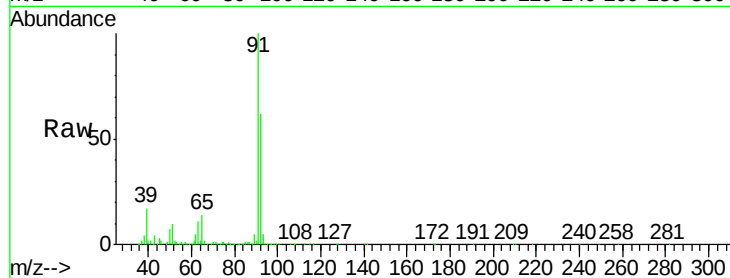
Ion Ratio Lower Upper

91 100

92 61.2 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.649 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL036696.D

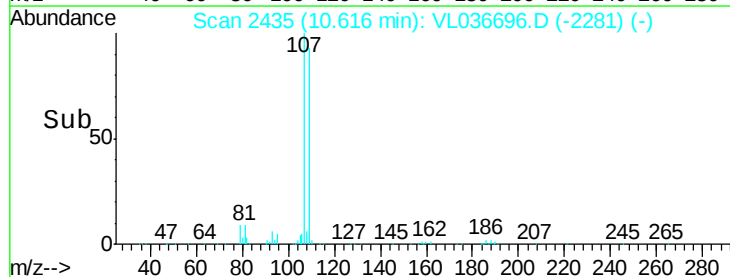
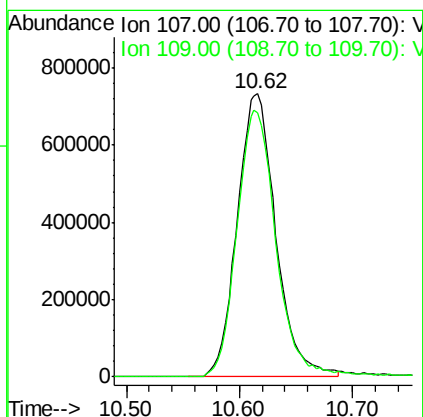
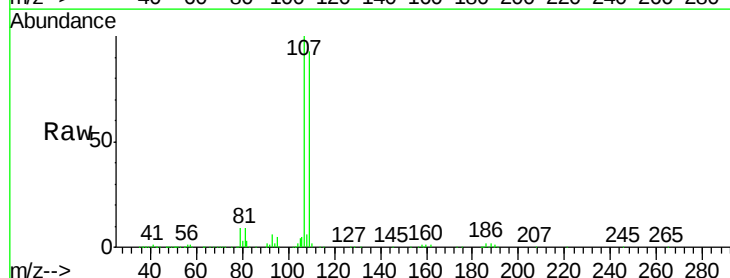
Acq: 6 Apr 2021 9:14

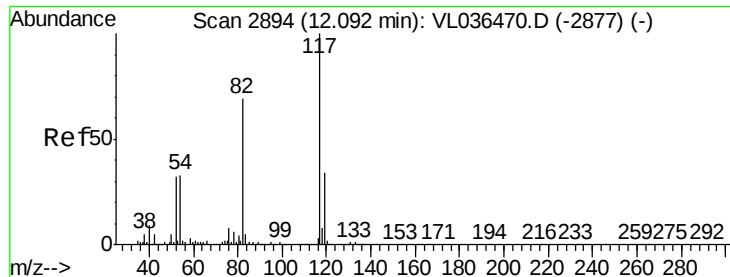
Tgt Ion: 107 Resp: 1741182

Ion Ratio Lower Upper

107 100

109 93.4 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:117 Resp: 3230304

Ion Ratio Lower Upper

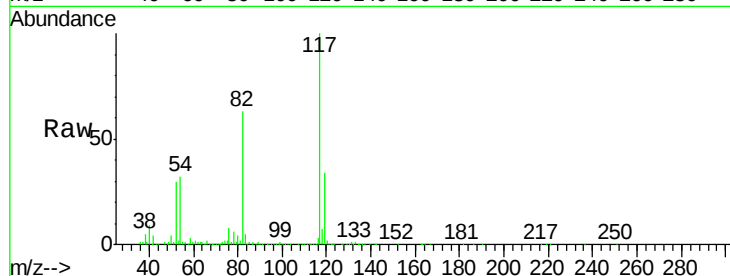
117 100

82 65.0 57.4 86.0

119 57.0 47.4 71.0

Manual Integrations
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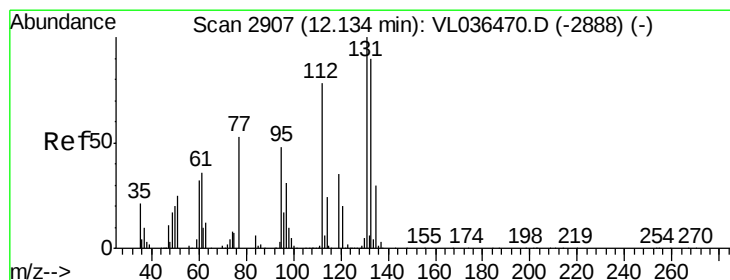
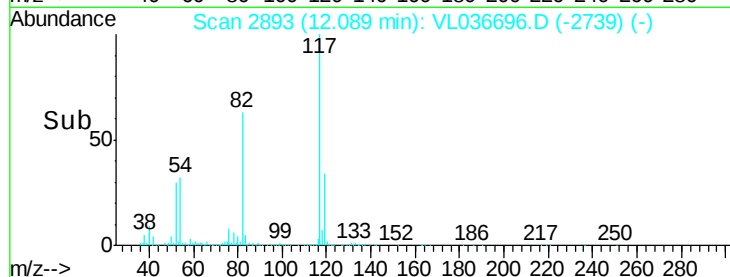
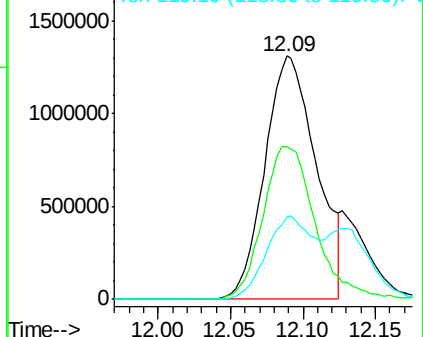
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.081 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

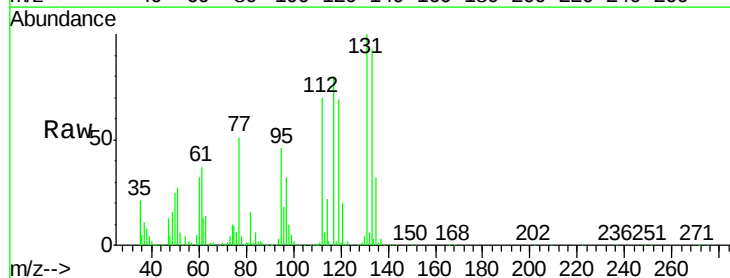
Tgt Ion:131 Resp: 1326863

Ion Ratio Lower Upper

131 100

133 95.5 75.8 113.6

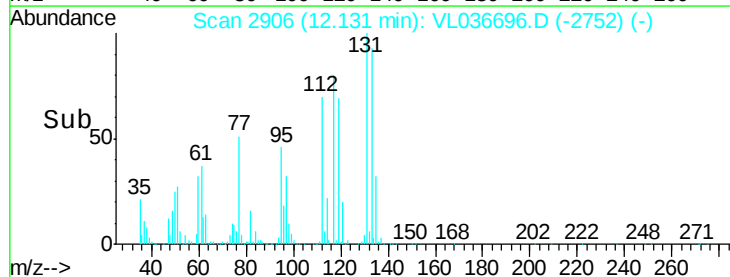
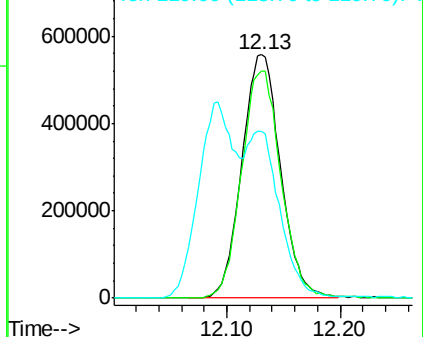
119 58.0 48.7 73.1

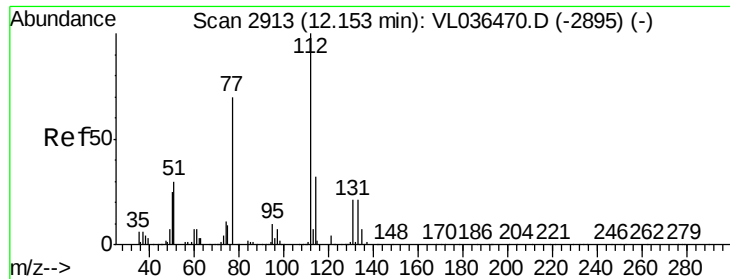


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.845 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:112 Resp: 2431094

Ion Ratio Lower Upper

112 100

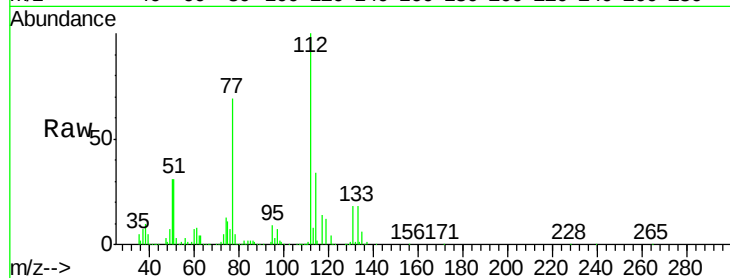
77 68.2 56.0 84.0

114 33.8 29.0 35.4

Manual Integrations
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MMDadoda

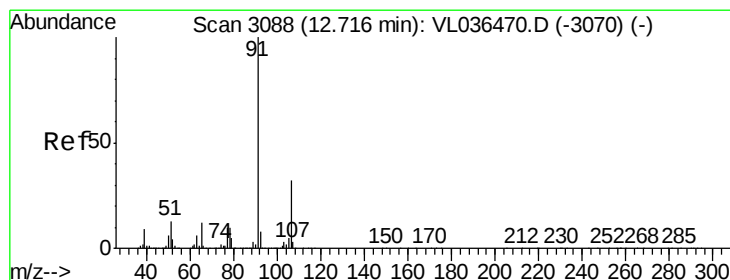
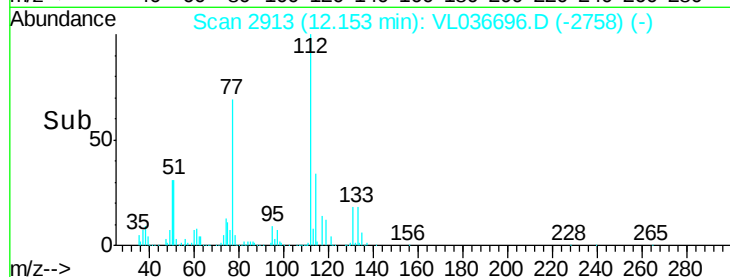
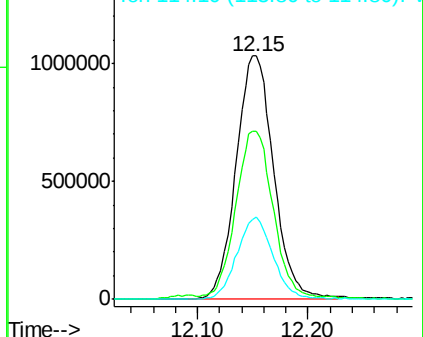
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.334 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL036696.D

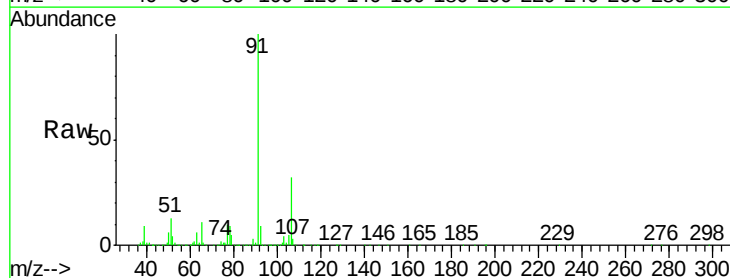
Acq: 6 Apr 2021 9:14

Tgt Ion: 91 Resp: 4386809

Ion Ratio Lower Upper

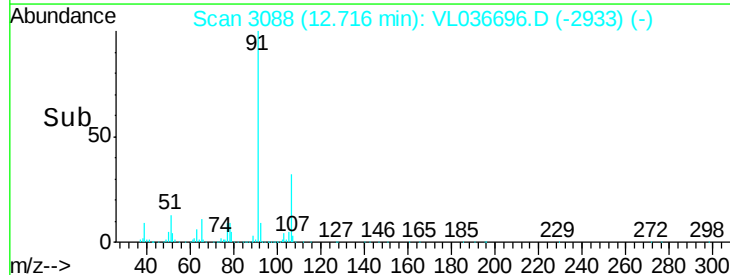
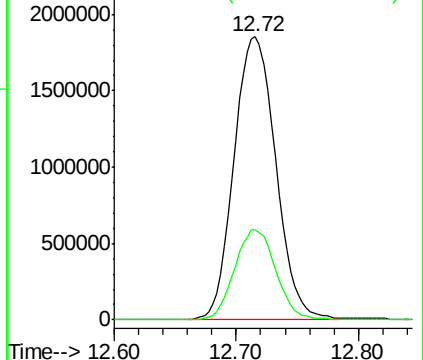
91 100

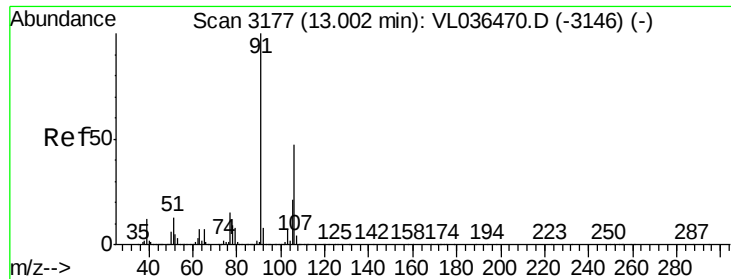
106 31.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





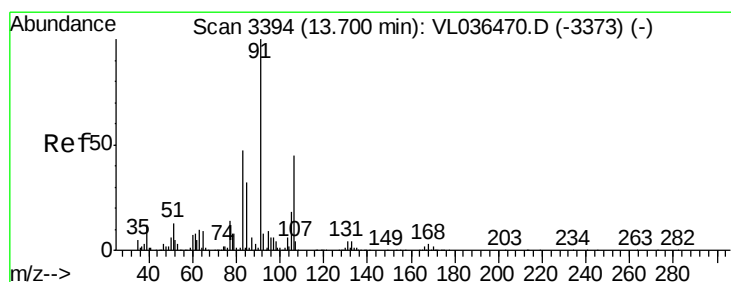
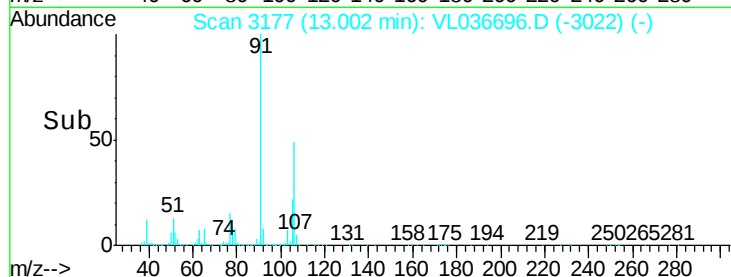
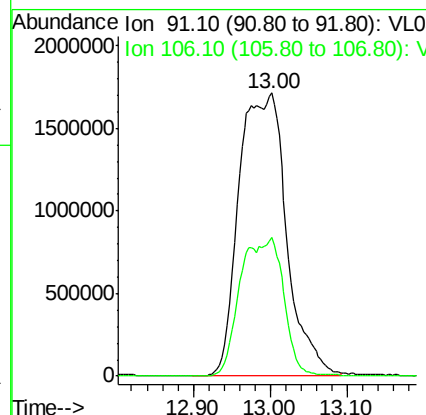
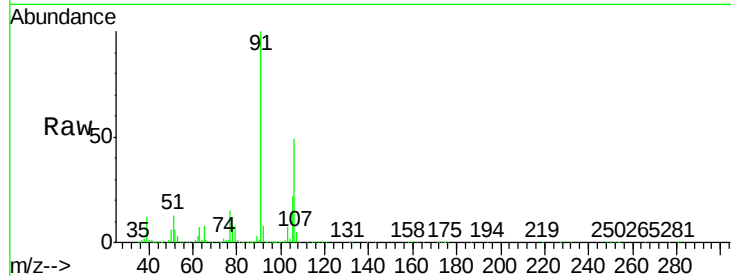
#59
m/p-Xylene
Concen: 18.008 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion: 91 Resp: 7381797
Ion Ratio Lower Upper
91 100
106 44.7 35.3 52.9

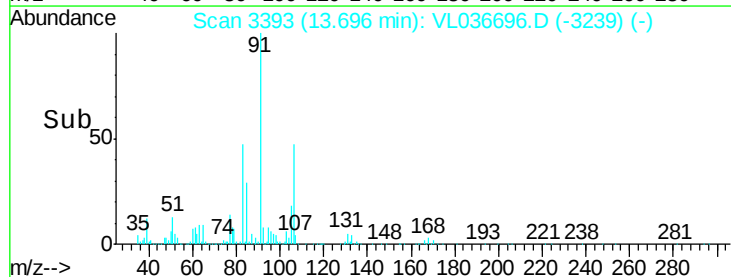
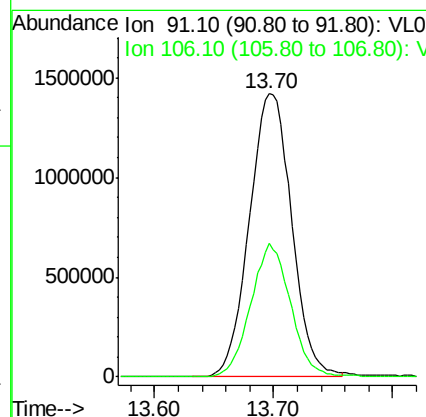
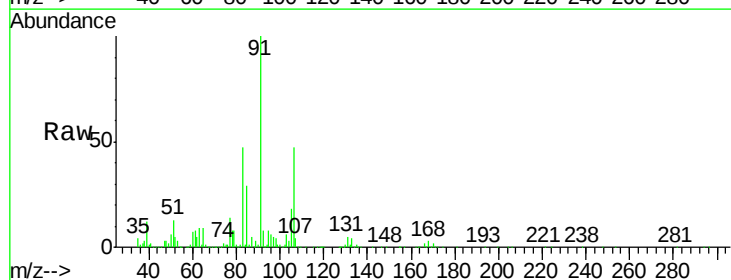
Manual Integrations
APPROVED

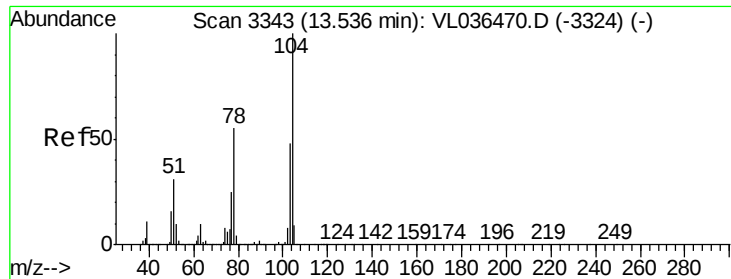
MMDadoda
4/6/2021 5:14:50 PM



#60
o-Xylene
Concen: 8.795 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 91 Resp: 3485813
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9





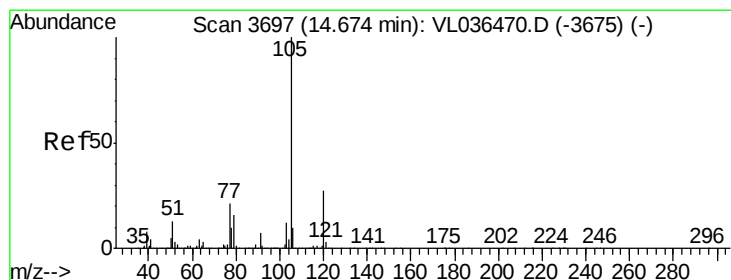
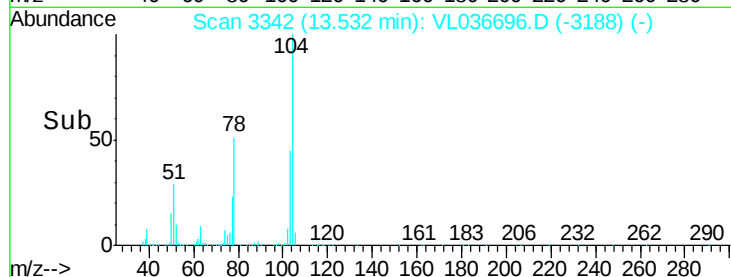
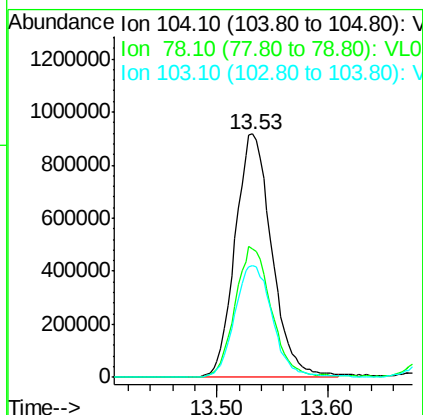
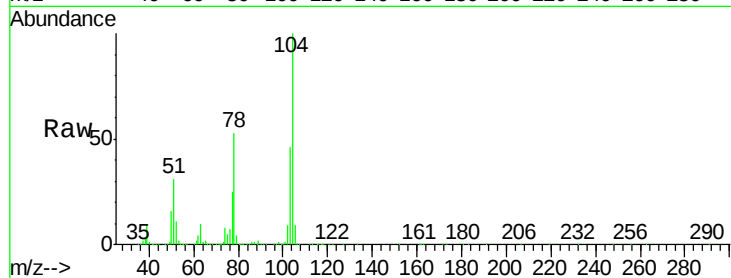
#61
Stvrene
Concen: 10.593 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.8	65.8
103	47.5	38.3	57.5

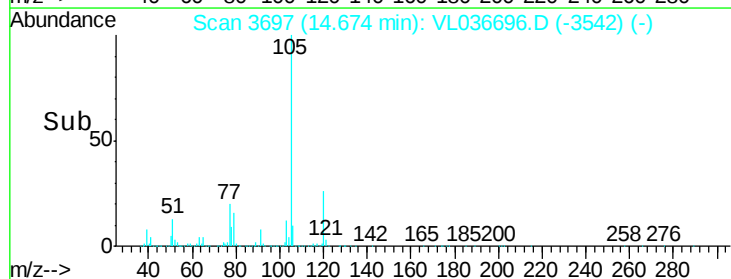
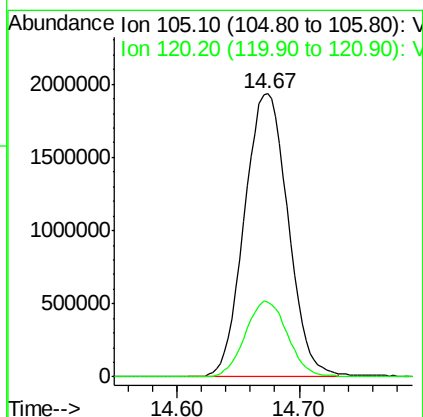
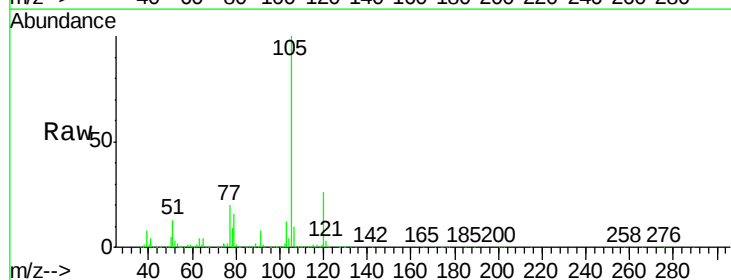
Manual Integrations
APPROVED

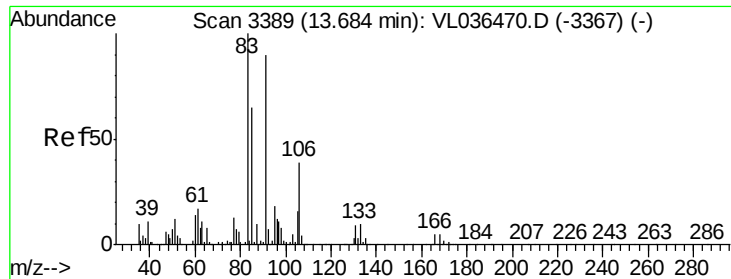
MMDadoda
4/6/2021 5:14:50 PM



#62
Isopropylbenzene
Concen: 8.960 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.6	31.0





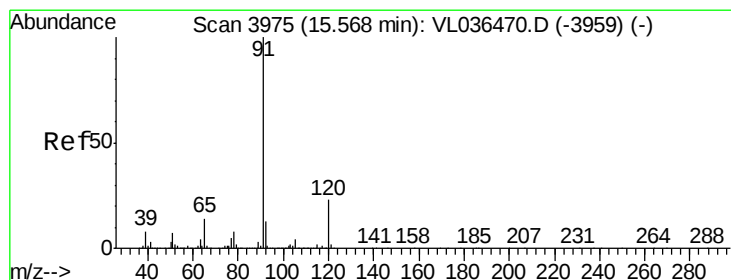
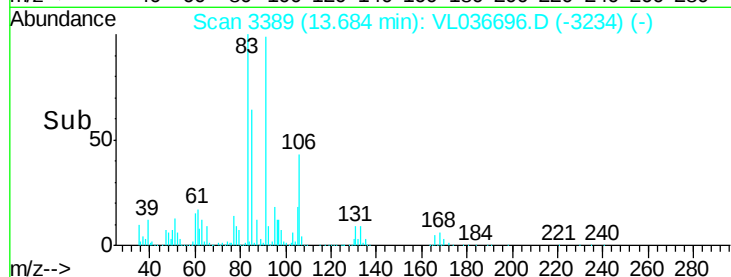
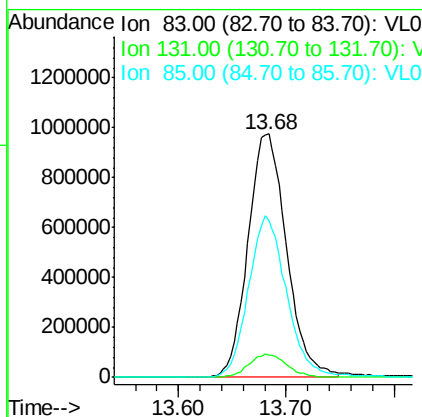
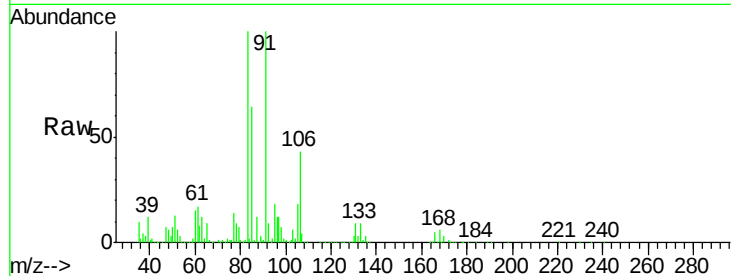
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.013 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.0
85	65.6	33.1	99.3

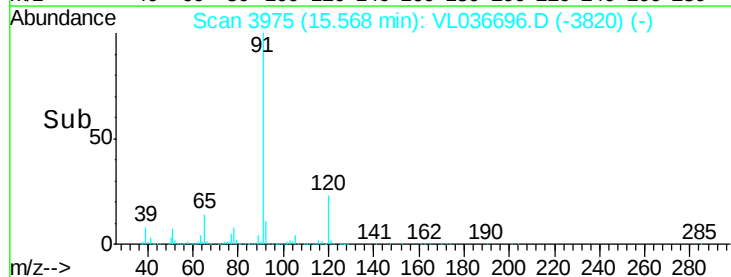
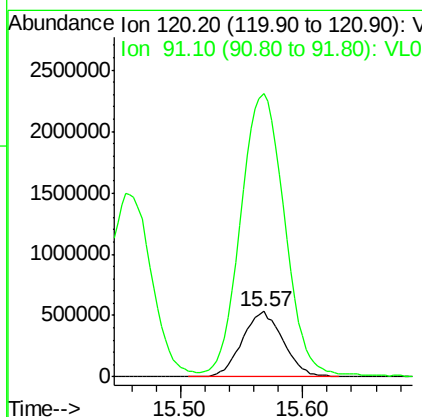
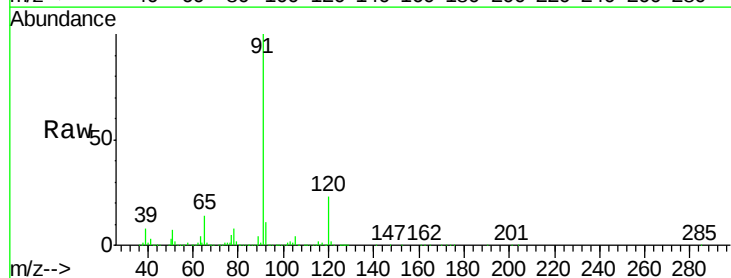
Manual Integrations
 APPROVED

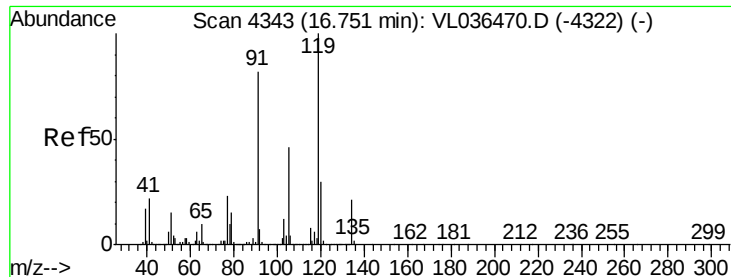
MMDadoda
 4/6/2021 5:14:50 PM



#64
 n-propylbenzene
 Concen: 9.475 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
120	100		
91	468.9	377.4	566.2





#65

tert-Butylbenzene

Concen: 8.976 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:119 Resp: 4154482

Ion Ratio Lower Upper

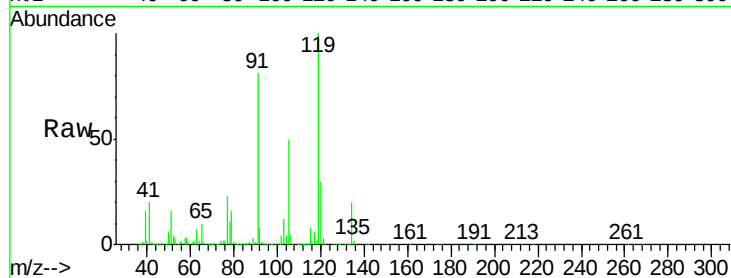
119 100

91 83.1 67.5 101.3

134 19.5 15.8 23.8

Manual Integrations
APPROVED

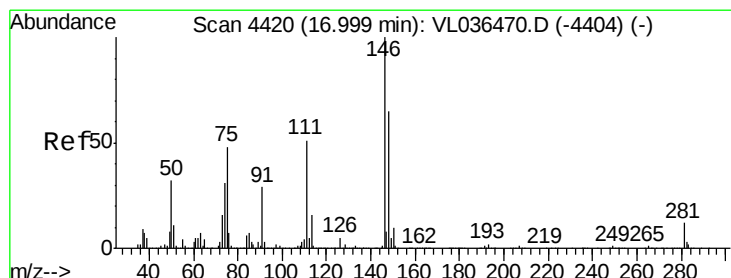
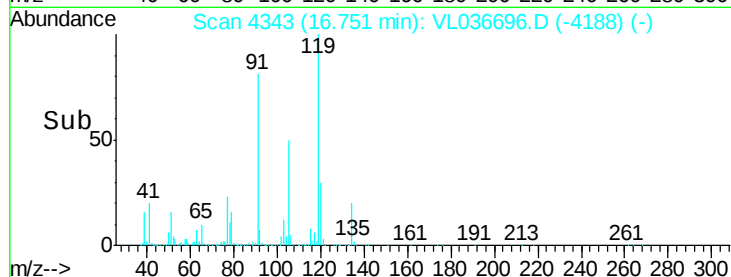
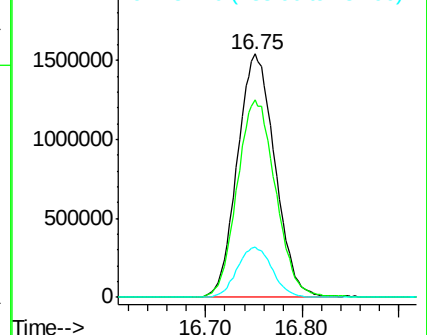
MMDadoda
4/6/2021 5:14:50 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.355 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

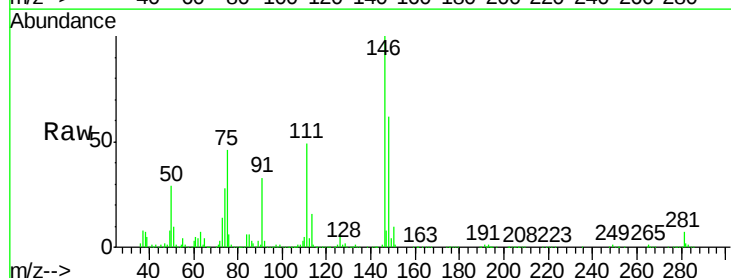
Tgt Ion: 91 Resp: 632041

Ion Ratio Lower Upper

91 100

126 17.2 13.5 20.3

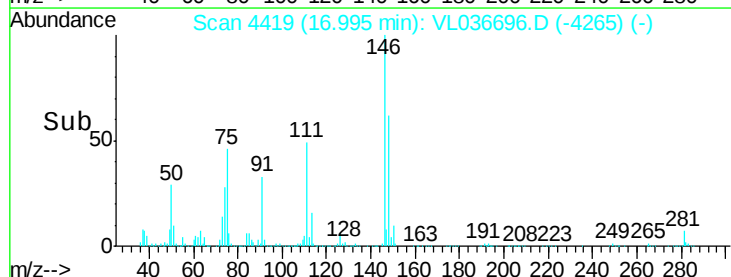
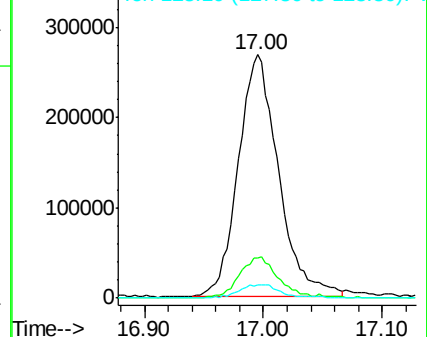
128 6.1 4.2 6.4

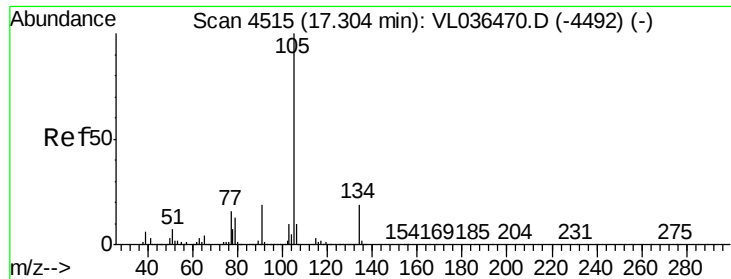


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.839 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 105 Resp: 5774592

Ion Ratio Lower Upper

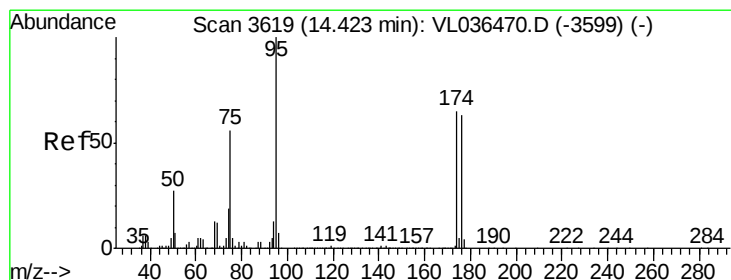
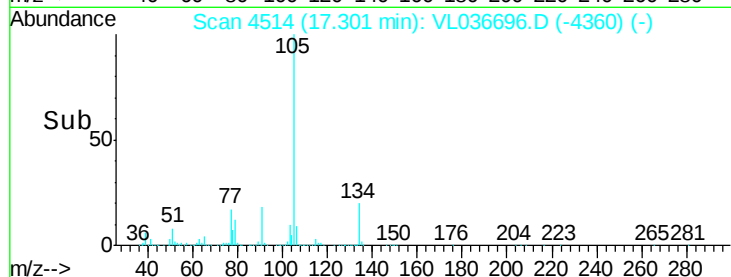
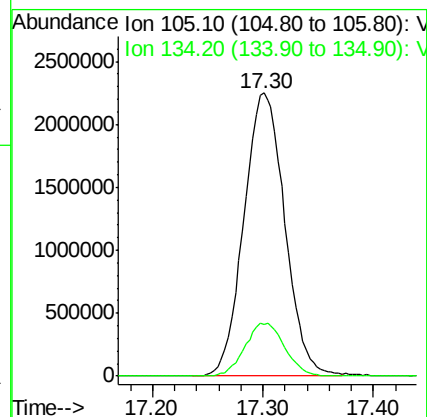
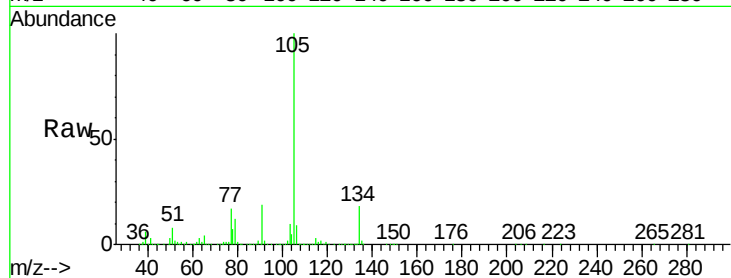
105 100

134 18.4 14.7 22.1

Manual Integrations
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4/6/2021 5:14:50 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.880 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

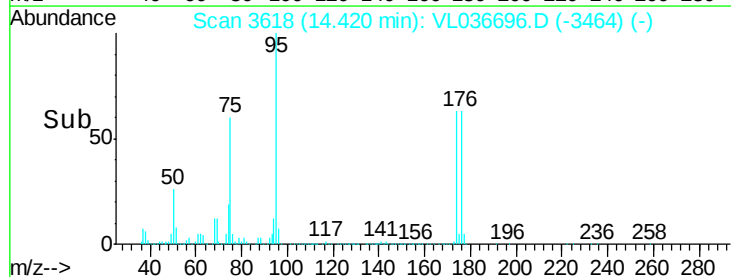
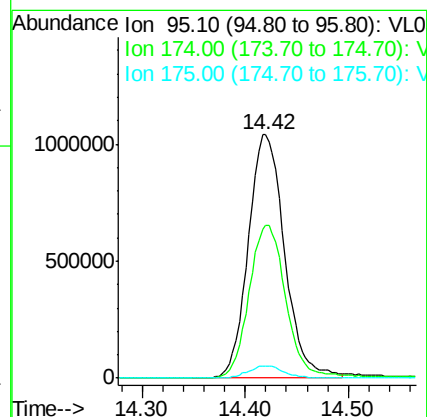
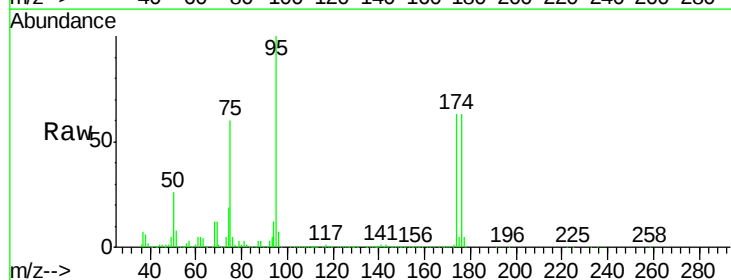
Tgt Ion: 95 Resp: 2543680

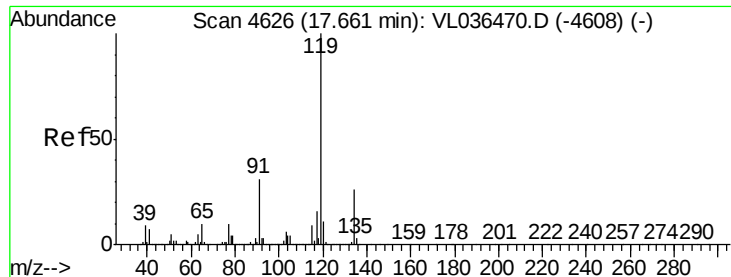
Ion Ratio Lower Upper

95 100

174 63.6 51.0 76.6

175 4.9 3.9 5.9





#69

p-Isopropyltoluene

Concen: 9.411 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

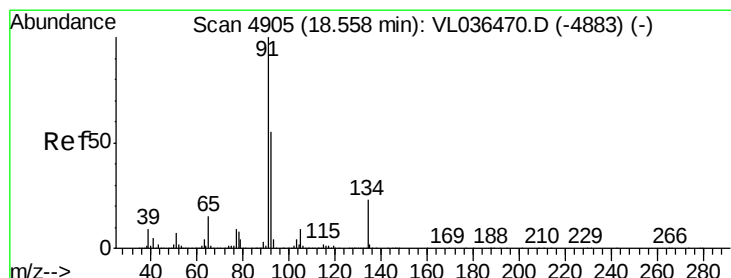
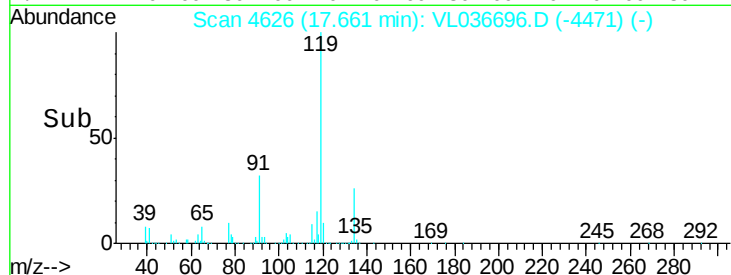
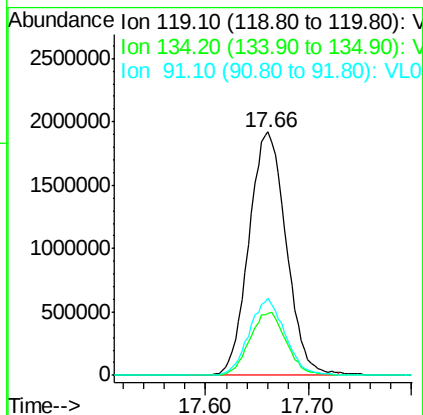
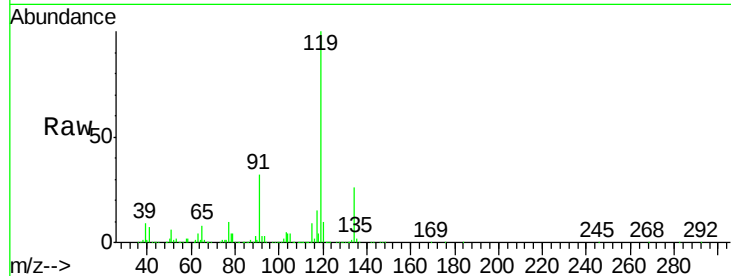
ClientSampleId :

VL0405ABS01

Tot Ion:	119	Resp:	4800977
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	30.3	25.0	37.6

Manual Integrations
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#70

n-Butylbenzene

Concen: 9.153 ppbv

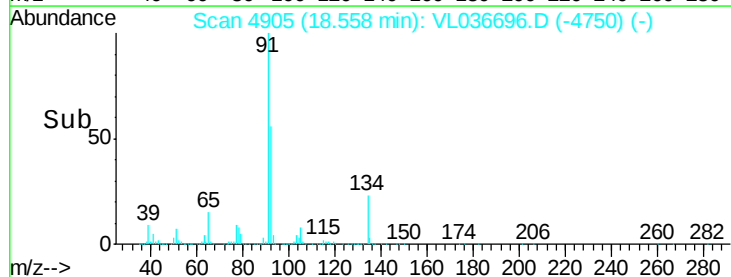
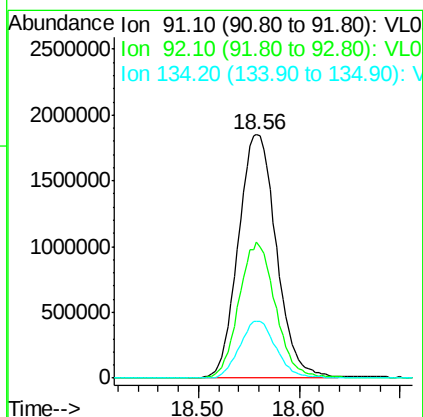
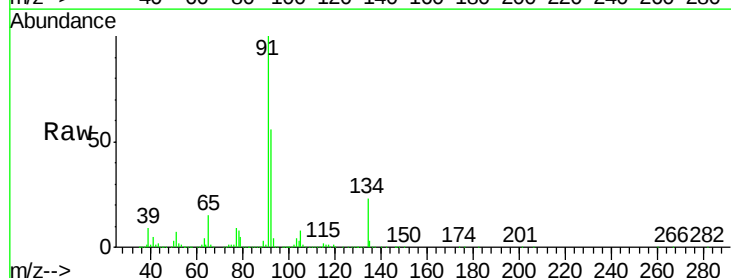
RT: 18.56 min Scan# 4905

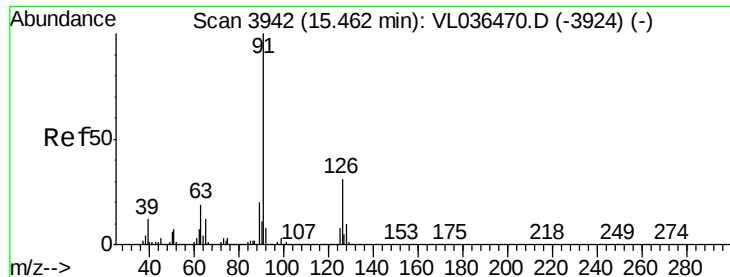
Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion:	91	Resp:	4841830
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.8
134	22.7	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.095 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion: 91 Resp: 3637418

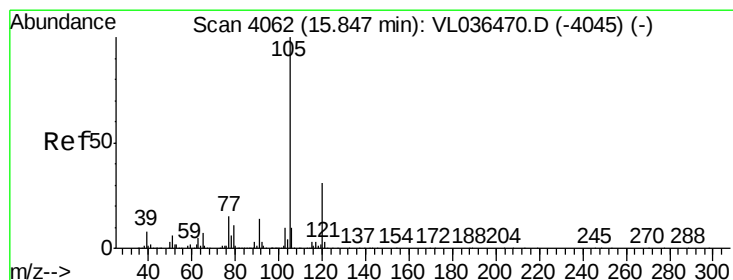
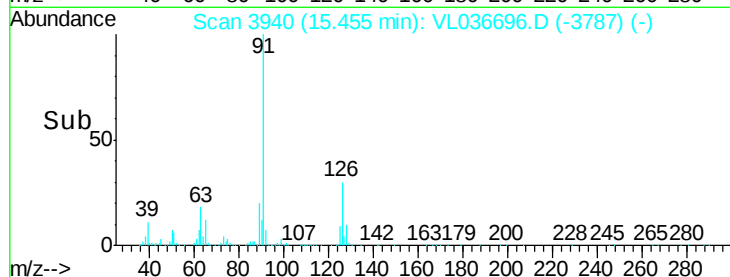
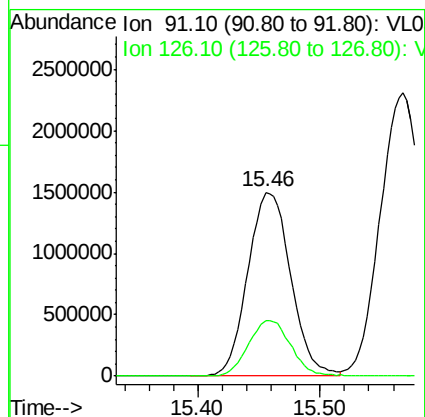
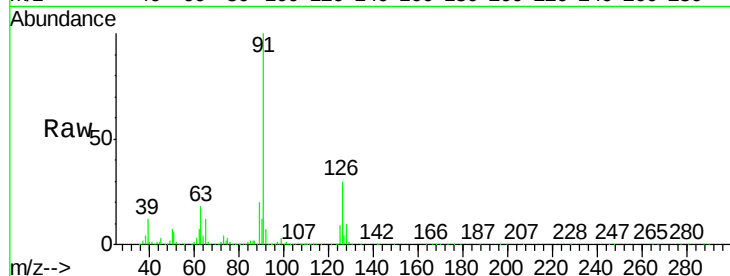
Ion Ratio Lower Upper

91 100

126 30.4 12.1 48.5

Manual Integrations
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4/6/2021 5:14:50 PM



#72

4-Ethyltoluene

Concen: 9.418 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion: 105 Resp: 4090379

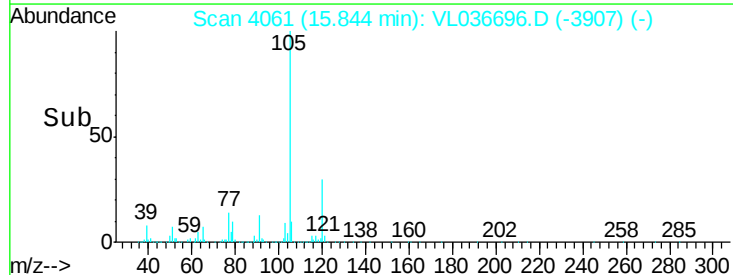
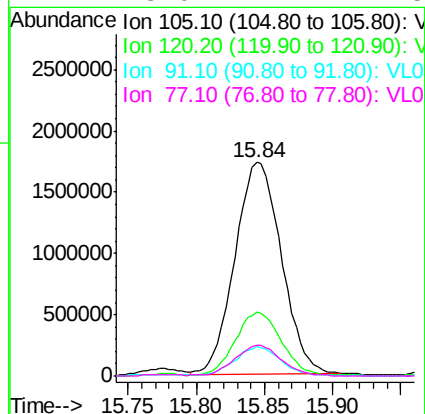
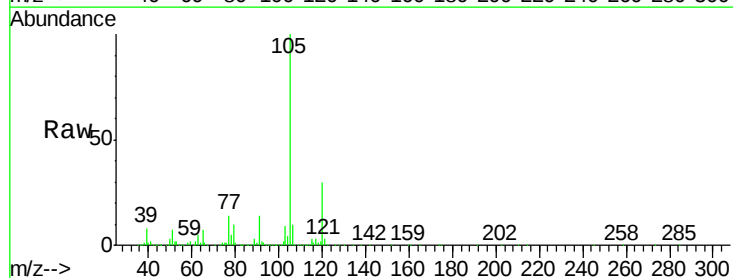
Ion Ratio Lower Upper

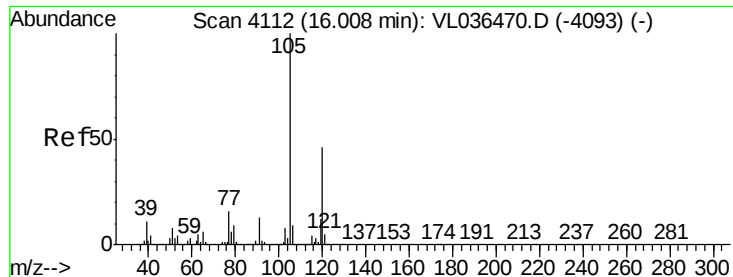
105 100

120 30.3 24.0 36.0

91 13.4 11.0 16.4

77 15.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.207 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:105 Resp: 3731893

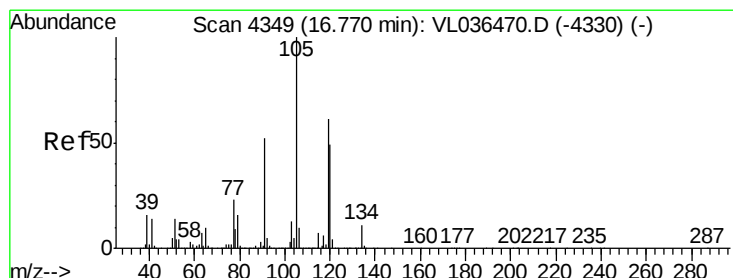
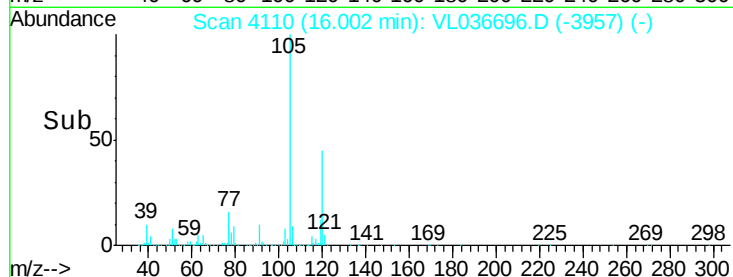
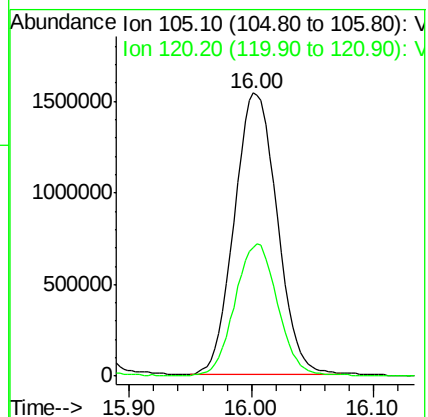
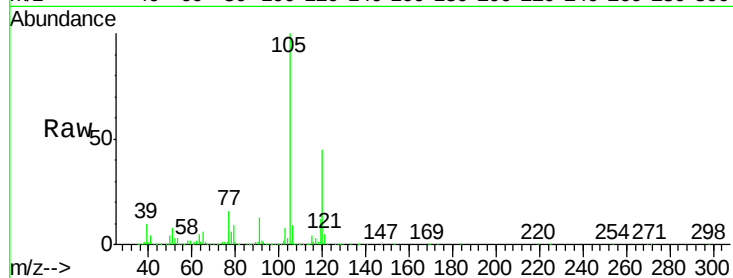
Ion Ratio Lower Upper

105 100

120 45.3 36.6 54.8

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 8.869 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion:105 Resp: 3847389

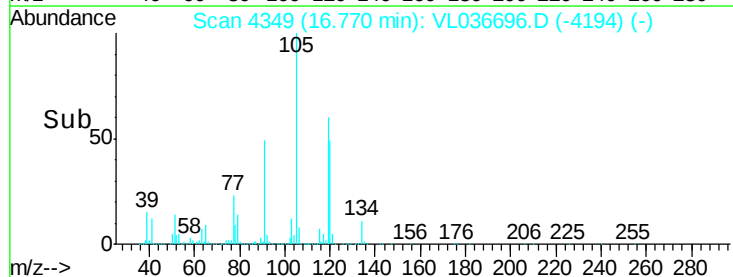
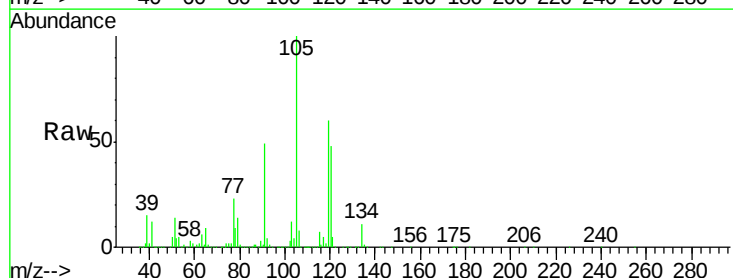
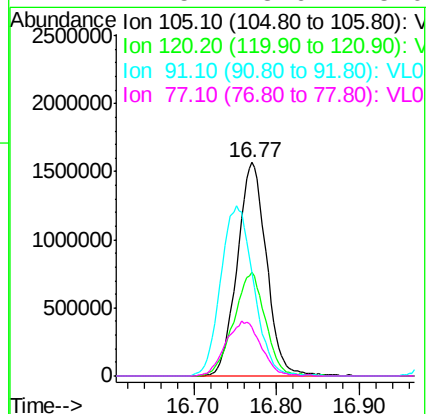
Ion Ratio Lower Upper

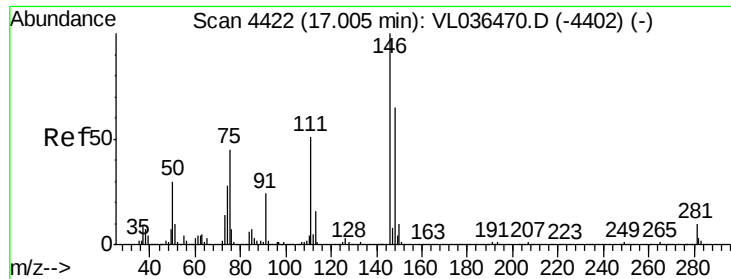
105 100

120 48.4 39.2 58.8

91 48.5 42.6 64.0

77 22.5 18.6 28.0





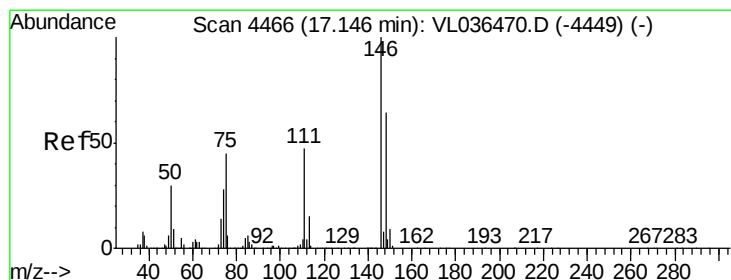
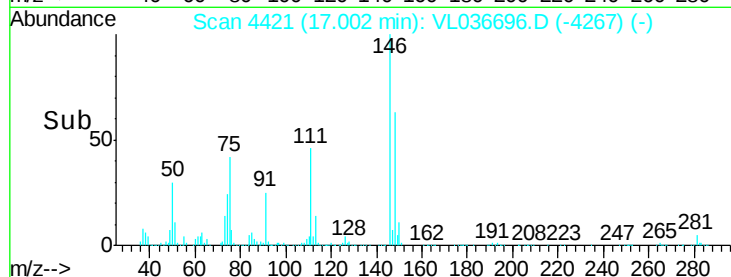
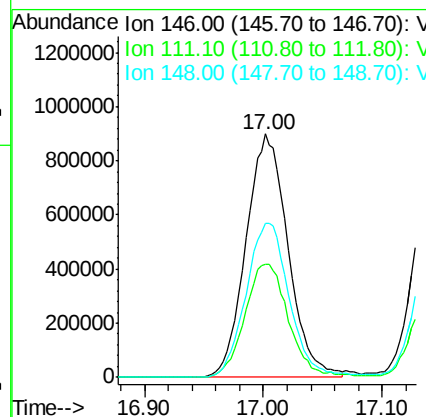
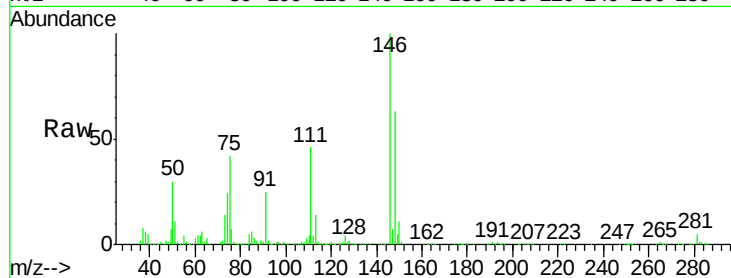
#75
 1,3-Dichlorobenzene
 Concen: 9.005 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.5	73.5
148	64.8	32.3	96.9

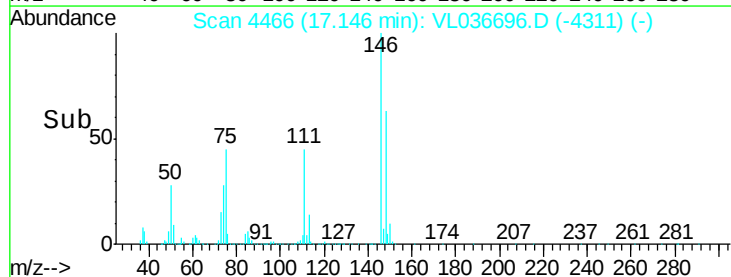
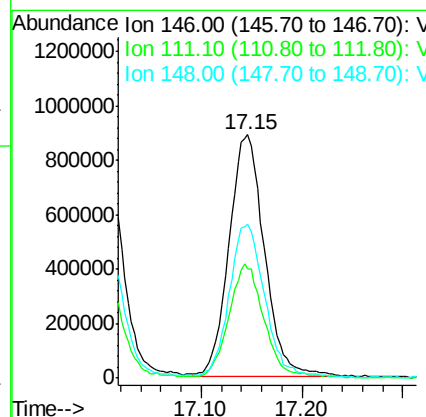
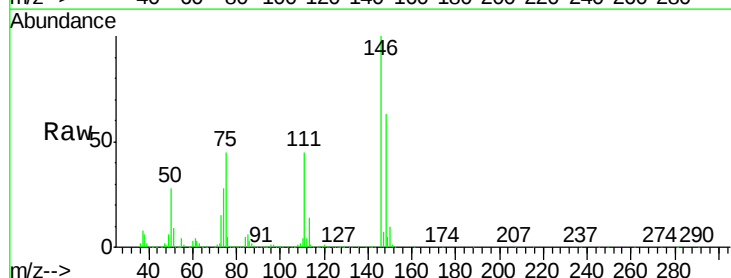
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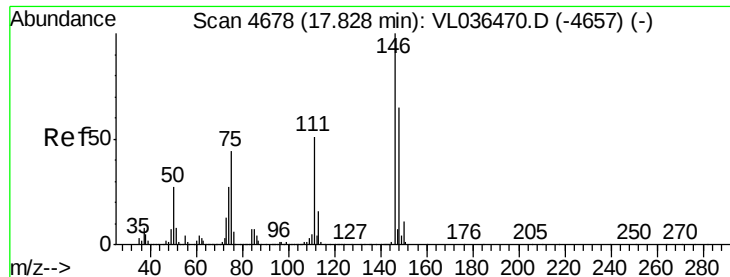
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#76
 1,4-Dichlorobenzene
 Concen: 8.880 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.3	72.8
148	65.2	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 9.128 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. -0.01 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

VL0405ABS01

Tot Ion:146 Resp: 2094933

Ion Ratio Lower Upper

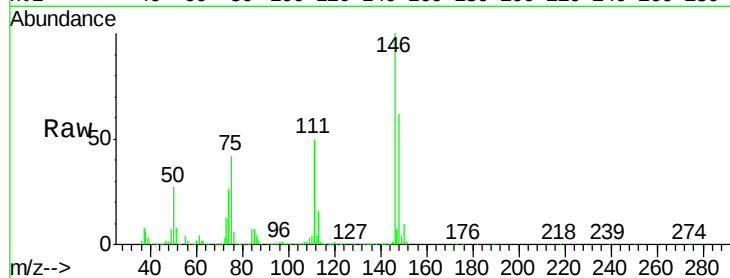
146 100

111 50.0 25.5 76.5

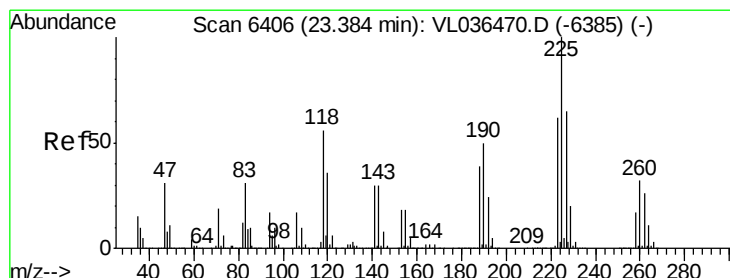
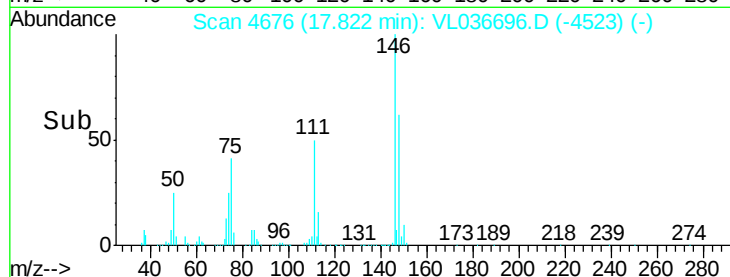
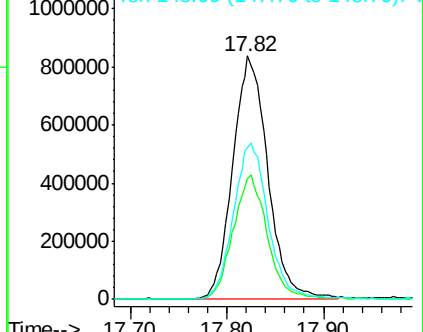
148 63.9 32.9 98.6

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4/6/2021 5:14:50 PM



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



#78

Hexachloro-1,3-Butadiene

Concen: 8.059 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

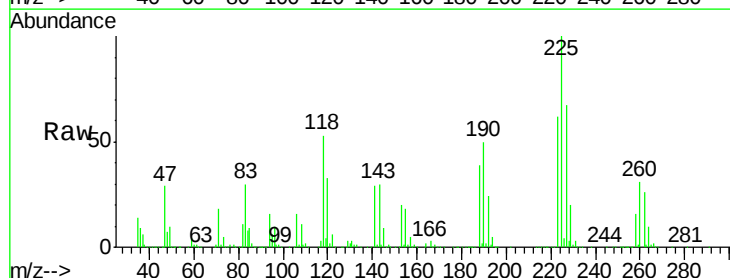
Tgt Ion:225 Resp: 1656539

Ion Ratio Lower Upper

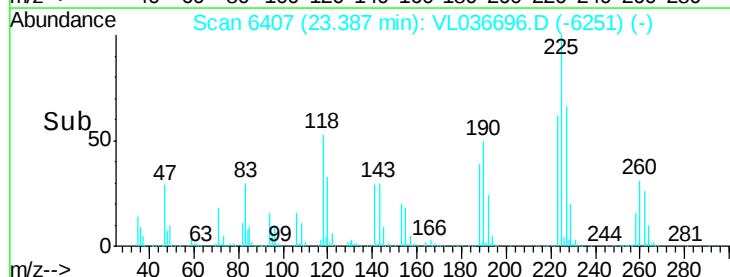
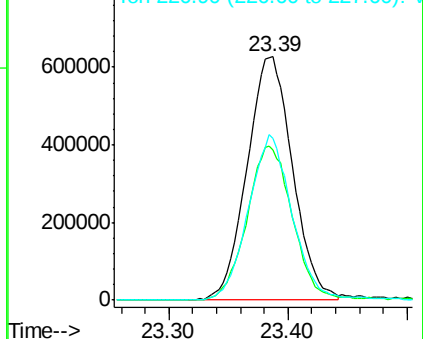
225 100

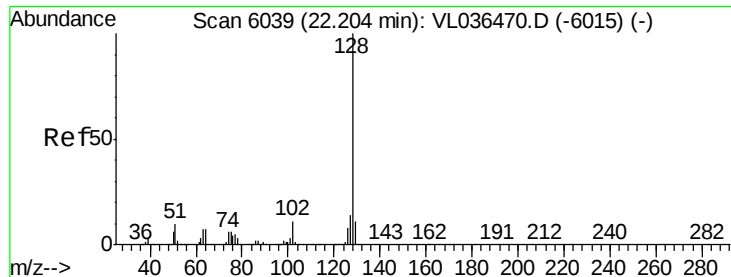
223 64.4 50.6 75.8

227 66.2 52.2 78.2



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





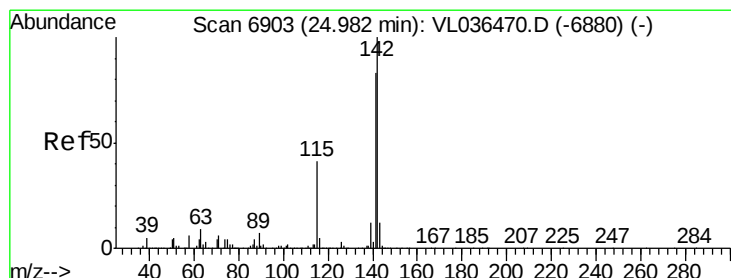
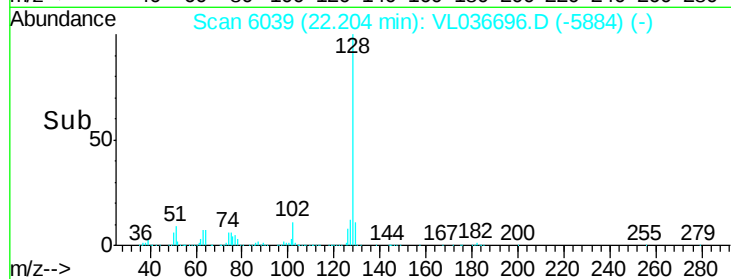
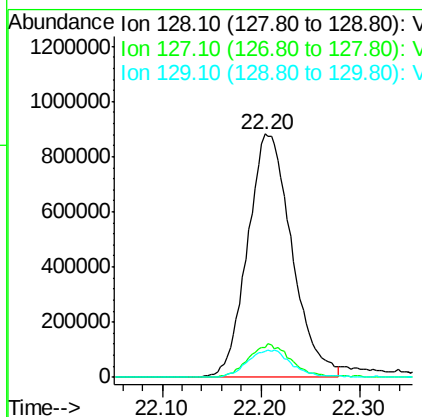
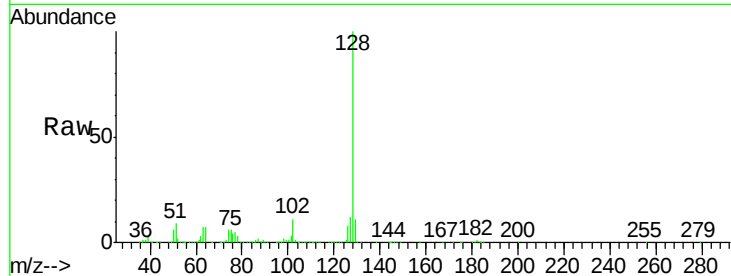
#79
Naphthalene
Concen: 10.812 ppbv
RT: 22.20 min Scan# 6039
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :
VL0405ABS01

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

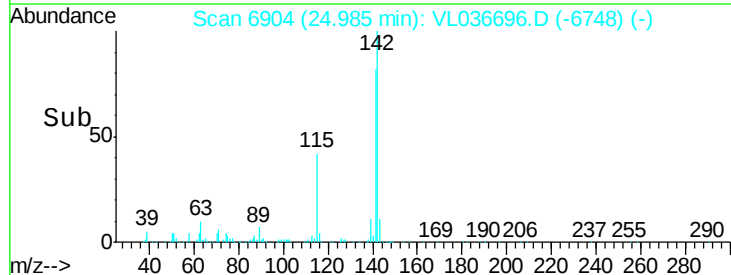
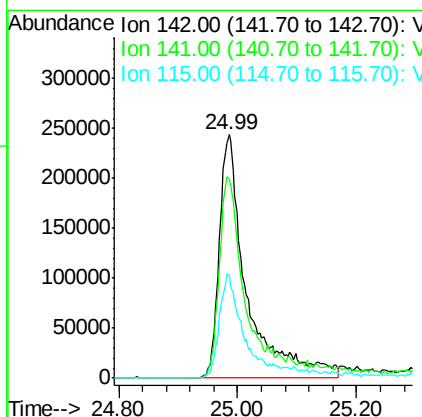
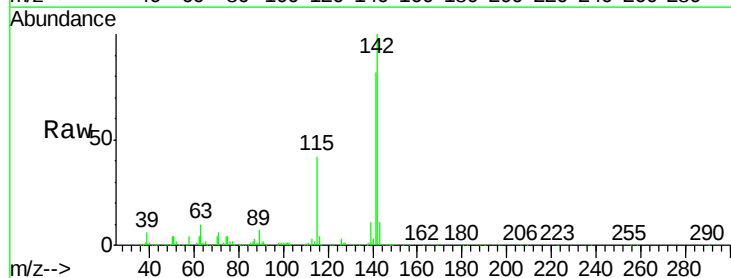
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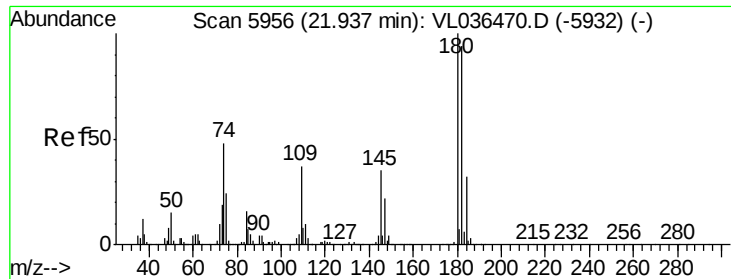
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#80
Naphthalene, 2-methyl-
Concen: 15.714 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	67.8	101.8
115	41.6	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.985 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	80.8	121.2
184	31.8	25.0	37.4

Manual Integrations
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